

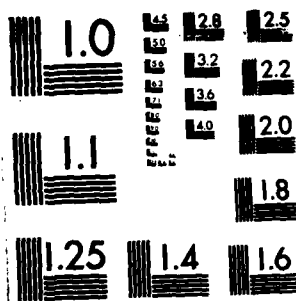
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
 (EMORE CALIFORNIA)U NAVAL OCEANOGRAPHY COMMAND  
 DETACHMENT ASHEVILLE NC AUG 84

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
23110	Lemoore, California	36°20'N	119°57'W	237	KNLC	74702

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather Service Office	Navy	1961	1966	36°20'N	119°57'W	237	Mercurial	24
2.	Replacement installed	"	1966	1975	"	"	"	"	"
3.	Removed 1975	"	-	-	-	-	-	-	-
1a.	Weather Service Office	"	1961		36°20'N	119°57'W	240	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1961	500' west of midpoint, runway 32L/14R	AN/UMQ-5	RD-108	14'	1. Barograph (marine) 2. Auto met. station (AN/GMQ-29) 3. Cloud height set (AN/GMQ-13C) 4. Theodolite (ML 474) 5. Transmissometer (AN/GMQ-10C) 6. Wind measuring set (AN/PMQ-3C) 7. CC TV Briefing System 8. Thermoscreen (ML/41)

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## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

## ATMOSPHERIC CHEMISTRY

4.1

FROM DAILY OBSERVATIONS

**TOTALS**

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## WEATHER CONDITIONS

22110 LEMORE, CA 73-20 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		7.4				7.4	54.2	16.8			84.5	317
	04	.3	10.6				10.6	56.8	13.5			64.8	317
	07		11.3				11.3	62.6	14.2			68.4	317
	10		9.4				9.4	57.1	21.0			69.7	317
	13		5.5				5.5	26.4	38.1			61.3	317
	16		5.5				5.5	20.6	44.8		.7	55.7	317
	19		5.5				5.5	24.4	36.5			56.5	317
	22		7.7				7.7	43.2	27.1			59.4	317
TOTALS		.0	7.7				7.7	44.2	26.6		.0	63.0	2487

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## WEATHER CONDITIONS

STATION LEMON, CA STATION NAME 73-62 YEARS 1951 MONTH 1951

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		7.4				7.4	24.4	12.0			41.5	25
	04		6.4				6.4	34.7	16.7			47.2	200
	07		8.0				8.0	56.4	14.5		.4	61.0	200
	10		6.7				6.7	34.4	29.4		.4	55.0	240
	13		7.4				7.8	1.3	47.3		.7	49.6	240
	16		7.1				7.1	4.3	39.7		.4	43.3	230
	19		7.1				7.1	7.2	33.3			39.7	250
	22		6.7				6.7	19.1	24.5			35.7	250
TOTALS			7.2				7.2	25.2	27.1		.2	47.1	2256

## WEATHER CONDITIONS

20110 STATION NAME LENOVO, CA 13-82 YEARS NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
4A	11		4.2				4.2	4.8	5.5			7.0	71
	14		6.6				6.6	13.2	5.5			16.6	71
	17		7.7				7.7	29.7	13.6			35.5	71
	10		4.5				4.5	7.4	19.4		.3	24.4	71
	13		7.1				7.1	1.3	16.5		1.3	18.4	71
	16	.3	8.1				8.1	.3	12.3		1.3	14.2	71
	19		7.1				7.1	1.0	8.7			9.0	71
	22	.3	8.1				8.1	1.0	4.0			9.0	71
TOTALS		.1	6.7				6.7	7.4	16.5		.3	16.7	2060

## WEATHER CONDITIONS

STATION LEWIS, CA STATION NAME 73-22 YEARS 1971 MONTH 1971

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
12	31		3.2				3.2	2.0	1.3			2.7	300
	04		4.0				4.0	2.7	1.0			3.5	300
	07		2.7				2.7	6.0	4.0			7.3	300
	10		3.7				3.7	.7	3.3			4.7	300
	13	.3	2.7				2.7	.3	3.0		.7	4.0	300
	16		3.3				3.3	.7	2.7		.3	3.7	300
	19		2.0				2.0	.7	1.3		.7	2.7	300
	22		2.0				2.0	1.3	1.3		.3	2.7	300
TOTALS		.3	2.9				2.9	1.8	2.2		.3	3.8	2400

## WEATHER CONDITIONS

STATION LEMOORE, CA STATION NAME 73-92 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		1.0				1.0						11
	04		.5				.5	.5				.5	11
	07		1.0				1.0	.3	.3			.5	11
	10		.7				.3		.5		1.0	1.6	11
	13		1.0				1.0		.3		1.6	1.9	11
	16		.5				.5		.3		1.0	1.3	11
	19	.3	1.3				1.3		.3		.3	.6	11
	22	.3	1.0				1.0						11
TOTALS		.1	.2				.9	.1	.2		.5	.8	248

## WEATHER CONDITIONS

2011 LEMOORE, CA 73-92 JJA  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		.7				.7		.7			.7	100
	04		.7				.7		.7			.7	300
	17		.7				.3		.7			.7	100
	19								1.7		.7	2.3	10
	17								2.7		.3	3.0	300
	14								4.3		1.5	5.8	300
	12		.7				.7		1.7		.3	2.2	100
	22								.7		.3	1.0	100
TOTALS			.3				.3		1.7		.3	1.9	2400

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4

## WEATHER CONDITIONS

STATION

LEMOORE, CA

STATION NAME

73-82

YEARS

JUL  
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	31												310
	04	.3	.3				.3	.6	.3			.6	310
	07							.3	.6			.6	310
	10								1.6			1.6	310
	13		.3				.3		1.6			1.6	310
	16		.3				.3		1.6			1.6	310
	19		.3				.3		.3			.3	310
	22												310
TOTALS		.3	.2				.2	.1	.8			.6	2480

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## WEATHER CONDITIONS

2011 LEMCONE, CA 73-92 110

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01								1.0			1.0	310
	04								1.0			1.0	310
	07		.5				.3	.6	3.9			3.9	310
	10		.3				.3		3.9			3.9	310
	13		.3				.3		4.2			4.2	310
	16		1.0				1.0		4.5			4.5	310
	19	.3							3.5			3.5	310
	22	.6	.5				.6		1.3			1.3	310
TOTALS		.1	.3				.3	.1	2.9			2.9	2480

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## WEATHER CONDITIONS

2113  
STATIONLEMOORE, CA  
STATION NAME73-42  
YEARSSEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.3	.7				.7	1.7	1.3			2.7	300
	04	.3	1.3				1.3	2.0	1.3			2.0	300
	07	.7	1.3				1.3	2.7	7.3			8.7	300
	10	.3	1.0				1.0	1.3	9.0			10.0	300
	13	.3	1.7				1.7	.7	8.3			9.0	300
	16		.7				.7	.7	5.7		1.0	7.0	300
	19	.3	2.0				2.0	.7	3.0			3.7	300
	22	.3	1.7				1.7	2.0	1.0			2.7	300
TOTALS		.3	1.3				1.3	1.5	4.6		.1	5.9	2400

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## WEATHER CONDITIONS

27111  
STATION

LEMOORE, CA

STATION NAME

73-82

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		2.3				2.3	1.6	8.7			9.7	310
	04		1.3				1.3	2.6	11.0			12.9	310
	07		1.3				1.3	3.9	25.6			27.1	310
	10		1.0				1.0	.6	31.6		.3	31.9	310
	13		1.0				1.0		33.9		.3	34.2	310
	16	.3	.3				.3	1.0	28.7		.6	29.7	310
	19	.3	1.3				1.3	1.0	12.6		.3	13.5	310
	22		1.0				1.0	.6	10.3			10.6	310
TOTALS		.3	1.2				1.2	1.9	20.3		.2	21.2	2460

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## WEATHER CONDITIONS

21117 LEMORE, CA 73-02 NOV  
 STATION STATION NAME YEARS MONTH

 PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		2.7				2.7	22.7	38.0			51.0	300
	04		4.3				4.3	31.7	33.3			53.3	300
	07		4.7				4.7	41.7	37.0			64.3	300
	10		3.7				3.7	24.3	45.7			64.7	300
	13		2.7				2.7	9.0	55.0			59.7	300
	16		3.0				3.0	5.7	53.0		.3	56.3	300
	19		4.3				4.3	5.0	49.7			52.7	300
	22		2.0				2.0	14.7	44.3			52.3	300
TOTALS			3.4				3.4	12.7	44.4		.0	56.2	2400

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## WEATHER CONDITIONS

20110 LEMCORE, CA 73-82 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		6.1				6.1	50.3	35.1		1.0	73.0	210
	04		6.8				6.8	58.7	31.3		.6	75.0	210
	07		8.7				6.7	67.4	25.6		.3	79.0	310
	10		6.9				6.9	64.3	33.5		.3	76.5	210
	13		5.8				5.8	28.4	54.2		.6	72.9	210
	16		3.2				3.2	14.7	56.6		.3	69.6	200
	19		5.5				5.5	22.4	52.6		.3	70.2	300
	22		4.2				4.2	41.4	43.0		.6	71.5	270
TOTALS			5.9				5.9	43.7	41.9		.5	73.6	2477

NAYWEASERVCOM

## WEATHER CONDITIONS

23110 LEHMOORE, CA 73-62 ALL  
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	7.9				7.9	44.2	26.6		.0	67.0	2450
FEB			7.2				7.2	25.2	27.1		.2	47.1	2254
MAR		.1	6.7				6.7	7.4	10.5		.3	16.7	2457
APR		.0	2.9				2.9	1.8	2.2		.3	3.5	2457
MAY		.1	.9				.9	.1	.2		.5	.6	2457
JUN			.3				.3		1.7		.3	1.9	2457
JUL		.0	.2				.2	.1	.8			.8	2440
AUG		.1	.3				.3	.1	2.9			2.9	2440
SEP		.3	1.3				1.3	1.5	4.6		.1	5.9	2450
OCT		.1	1.2				1.2	1.4	20.3		.2	21.2	2457
NOV			3.4				3.4	19.7	44.4		.0	56.6	2450
DEC			5.9				5.9	43.7	41.9		.5	73.6	2477
TOTALS		.1	3.2				3.2	12.1	15.3		.2	24.5	29213

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

2711  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JANUARY  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	.6	1.9	.6						28.6	5.2	31.2			40.3
NNE	3.4	5.1							18.6	8.5	27.1			45.6
NE	5.9	2.9							41.2	8.8	23.5			23.5
ENE	13.9							2.8	36.1	8.3	36.1			19.4
E	5.5	.9	2.8						40.4	11.9	29.4			23.9
ESE	6.6	1.2	1.2						42.2	10.2	23.5			26.5
SE	7.7	2.4	3.4						38.0	10.1	24.0		.5	30.3
SSE	8.1	3.8	1.9						32.1	9.1	19.7			35.0
S	7.2	2.6	1.3						27.5	6.5	22.9			41.2
SSW	7.3	1.8	1.8						33.3	10.5	21.1			35.1
SW	2.3	7.0	2.3						27.9	16.3	11.6			44.2
WSW		8.6	1.7						17.2	3.4	31.0			44.8
W		.8							20.3	16.3	29.3			43.1
WNW	2.2		1.1						24.4	10.0	28.9			46.7
NW	5.3	1.9	1.3						28.3	5.7	22.6			47.8
NNW	2.1	1.0	1.6						20.3	5.2	29.2			51.6
VARIABLE														
CALM	1.7	1.1	2.7						58.8	9.0	38.3			19.2
TOTAL	101	49	45					1	876	219	660		1	831
% TOTAL	4.1	2.0	1.8					.0	35.3	8.8	26.6		.0	33.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

27115  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

FEBRUARY  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	1.0	1.5						6.3	4.9	26.3		1.0	62.9
NNE	1.9	3.8							7.7	3.8	44.2			48.1
NE	3.8	3.8							19.2	3.8	34.6			38.5
ENE	6.5		3.2						22.6	12.9	32.3			38.7
E	5.1	2.0							21.2	3.0	37.4			38.4
ESE	6.9	5.2	1.7						25.0	4.3	29.3			37.9
SE	11.0	4.9	1.2						15.9	6.7	23.8			49.4
SSE	6.4	3.8	.6						23.1	4.5	18.6		1.3	51.9
S	4.7	6.2	.6						14.7	3.4	25.4		.6	49.2
SSW	1.6	3.2	1.6						23.8	4.8	22.2			52.4
SW	3.3	3.3							13.3	6.7	28.3			51.7
WSW	5.1	1.3	1.3						13.9	11.4	26.6			51.9
W	.7								21.6	8.6	25.9			51.1
WNW	2.1	2.1							17.0	7.4	31.9			48.9
NW	5.6	.7							7.4	9.6	18.9			64.7
NNW	1.5	1.5	2.0						15.2	3.9	20.6			61.8
VARIABLE														
CALM	2.3	.7	.7						22.3	11.4	31.6			36.4
TOTAL	92	52	19						412	157	607		5	1104
% TOTAL	4.1	2.3	.8						18.3	7.0	26.9		.2	48.9

TOTAL NUMBER OF OBSERVATIONS

2,256

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

2711.  
STATION

LEMOORE, CA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MARCH

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% OBSERVATIONS
N	2.0	2.0							3.4		9.5		1.0	83.1
NNE	1.4	1.4							4.1		20.3			77.0
NE	4.2										12.5			83.3
ENE		6.3							3.1		12.5			78.1
E	4.8	4.8							10.7	1.2	14.3			69.0
ESE	9.1	2.3							5.7	1.1	14.8			72.7
SE	9.4	4.7							7.9	3.1	8.7			68.5
SSE	8.7	6.5							3.6	3.6	6.5			73.2
S	4.6	6.6							5.3	2.0	7.9		.7	76.3
SSW	8.3	3.3							1.7	5.0	5.0			78.7
SW	1.6	6.3							3.1	3.1	6.3			79.7
WSW	7.2	2.4						1.2	4.8		14.5		1.2	78.3
W	6.1	1.4							5.4	.7	7.4		.7	81.1
WNW		.6						.6	5.5	3.0	11.0			82.9
NW	2.9	3.8							4.2	2.9	8.4			78.6
NNW	1.4	1.7	.3						3.2	1.7	8.1		.6	83.9
VARIABLE														
CALM	2.2	1.9							7.2	6.6	15.7			78.2
TOTAL	92	73	1					2	122	62	260		8	1924
% TOTAL	3.7	2.9	.0					.1	4.9	2.5	10.5		.3	77.6

TOTAL NUMBER OF OBSERVATIONS

2,497

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

27110  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

APRIL  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% TOTAL
N	.4	.4						.2	.2	.4	1.3		.7	96.7
NNE		1.1									5.4			93.5
NE		2.4									7.3			92.3
ENE	3.3													96.7
E	3.7	2.0							3.9		5.9			98.2
ESE	12.8								2.6		7.7			76.9
SE	6.7	6.5							17.4		6.5			69.6
SSE	5.1	3.6							7.3		1.3			91.2
S	4.6	4.9							3.7		3.7			92.7
SSW	3.9									2.0	3.9			92.3
SW	1.9										3.8			94.3
WSW	1.2	1.2							1.2		1.2			96.3
W	1.3	1.2							1.2	1.8	2.4			92.9
WNW	1.9								.6		.6			97.4
NW	.2	2.1								.3	.6		.3	96.5
NNW	.2	.6							.8	.4	1.7		.4	96.7
VARIABLE														
CALM	.5	.5	.5						1.1	.5	1.7			93.1
TOTAL	41	28	1					1	33	10	54		6	2252
% TOTAL	1.7	1.2	.0					.0	1.4	.4	2.3		.3	93.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

2711  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

MAY  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	WEATHER
N	.1	.3									.3		.5	98.6
NNE	1.1										1.1			97.9
NE		2.3						2.3						95.3
ENE											3.1			96.9
E	2.9													97.1
ESE														100.0
SE		6.7								6.7			6.7	80.0
SSE		9.1												98.9
S														100.0
SSW														100.0
SW		3.0												97.0
WSW														100.0
W	.7	.9						.9						97.7
WNW										1.1				98.9
NW	.7	.2											.7	98.3
NNW	.2	.8									.2		.8	98.1
VARIABLE														
CALM											.9			99.1
TOTAL	4	13						2		3	6		12	2435
% TOTAL	.4	.5						.1		.1	.2		.5	98.2

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

27110  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

JUNE  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.4										1.6		.2	97.4
NNE		.8									2.3			96.9
NE											4.2			95.8
ENE		3.6									7.1			85.7
E											2.9			97.1
ESE														100.0
SE														100.0
SSE		14.3												85.7
S		7.1												92.9
SSW														100.0
SW														100.0
WSW														100.0
W											3.7			96.3
WNW											2.2			97.8
NW											.5		.9	98.2
NNW											.9		.3	98.6
VARIABLE														
CALM														100.0
TOTAL	3	4									33		7	234.8
% TOTAL	.1	.2									1.4		.3	97.8

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

2711  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1992  
YEARS

JULY  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N											.6			99.4
NNE											.9			99.1
NE											2.1			97.9
ENE														96.4
E		3.1												93.8
ESE														100.0
SE														100.0
SSE		20.0												80.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W		.9						.8			.3			98.4
WNW										.4	1.1			98.9
NW											.4			99.4
NNW									.2		.5			99.4
VARIABLE														
CALM		1.1							1.1		1.1			96.7
TOTAL		4						1	2	1	15			2456
% TOTAL		.2						.0	.1	.0	.6			99.7

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23117  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1992  
YEARS

AUGUST  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	.2	.4						.2			1.3			97.2
NNE											2.7			96.4
NE											10.4			87.5
ENE											3.2			96.8
E											9.1			86.4
ESE											18.8			75.2
SE										6.3	18.8			62.5
SSE														66.7
S														100.0
SSW														100.0
SW														95.9
WSW											1.7			98.3
W											1.8			98.2
WNW											1.9			97.7
NW		.5						.2	.2		1.9			96.7
NNW	.4							.2			.2			98.5
VARIABLE														
CALM											3.2			97.8
TOTAL	3	5						3	1	1	46			2401
% TOTAL	.1	.2						.1	.0	.0	1.9			96.8

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

27110  
STATION

LEMONDE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

SEPTEMBER  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	ALL WEATHER
N	.3	.3							.5		6.6		.3	92.4
NNE	1.9								1.9		5.6			91.5
NE	2.7	2.7						2.7	5.4		10.8			81.1
ENE											5.1			92.3
E									1.8		5.3			93.0
ESE	3.4	3.4						3.4	10.3		10.3			79.3
SE	3.4								7.7					92.3
SSE	11.8	5.9							5.9		5.9			76.5
S	2.5								7.5					92.5
SSW		2.8												97.2
SW	2.4									2.4				95.2
WSW											1.7		1.7	98.3
W	1.0	1.0						1.0	.5	.5	4.1			93.8
WNW	.4	.8						.4	.8	.4	2.5			95.9
NW	.5	.2						.2	.7	.2	2.7			96.3
NNW	.2	.5						.5	.2	.2	4.7			94.1
VARIABLE														
CALM		.4							2.6	.4	6.0			91.0
TOTAL	16	15						8	29	6	106		2	2244
% TOTAL	.7	.6						.3	1.2	.3	4.4		.1	93.5

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

2311  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

OCTOBER  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N		.3						.6	.6	.6	18.9			79.3
NNE											23.2			75.9
NE											25.0			75.0
ENE											27.9			72.1
E										1.5	29.2			70.8
ESE	5.7	2.0							4.1		34.7			57.1
SE	3.9	2.0							3.9	2.7	25.5			64.7
SSE	1.9								1.9	1.9	25.0			73.1
S		1.4							2.7		6.8			57.7
SSW		2.8									5.6			91.7
SW										1.6	14.1			84.4
WSW									1.0		8.7			91.3
W	.5	.5	.5								11.9			96.7
WNW	.5	.5								.5	18.9			79.5
NW		.7							1.4	1.1	19.7		.4	75.5
NNW	.3	1.3							1.0		20.6		1.0	76.6
VARIABLE														
CALM	.6	.6							.6	1.1	25.1			72.2
TOTAL	13	16	1					2	19	16	496		4	1929
% TOTAL	.5	.6	.0					.1	.8	.6	20.0		.2	77.6

TOTAL NUMBER OF OBSERVATIONS 2,440

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110 LEMOORE, CA JANUARY 1973-DECEMBER 1982 NOVEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.4							11.6	.5	41.5			48.3
NNE	1.2	1.2							12.3		55.6			35.3
NE			2.8						19.4	2.8	50.0			36.1
ENE			5.6						11.1		44.4			44.4
E	5.5	1.1	1.1						25.3	3.3	45.1			29.6
ESE	5.1	4.0							34.3	6.1	43.4			23.2
SE	4.2	1.7							18.6	4.2	30.5			50.0
SSE	2.6	.9							21.1	3.7	40.4			40.4
S	4.3	5.3							16.0	2.1	31.9			53.2
SSW	4.1								14.3	2.0	34.7			53.1
SW		4.5							15.9	2.3	34.1			56.8
WSW	1.2	2.3							15.1	2.3	39.5			52.3
W	.7	.7							10.9	2.2	40.6			55.8
WNW	1.2	1.0							14.4	3.8	43.3			46.2
NW	.5	1.5							13.4	2.0	39.3			50.2
NNW	2.7	.5	.9						10.5	3.7	39.7		.5	47.9
VARIABLE														
CALM	.4	1.2	.4						28.3	2.8	53.6			29.7
TOTAL	38	35	9						409	64	1061		1	993
% TOTAL	1.6	1.5	.4						17.0	2.7	44.2		.0	41.4

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

4431-94321

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2711  
STATIONLEMOORE, CA  
STATION NAMEJANUARY 1973-DECEMBER 1982  
YEARSDECEMBER  
MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	% WEATHER
N	.0		2.5						25.3	2.5	40.7			38.9
NNE	1.0		3.6						34.5	1.8	38.2			29.1
NE			3.3						36.7	3.3	53.3			26.7
ENE	6.7		10.0						30.0	3.3	43.3			26.7
E	2.5	1.7	4.3						41.7	1.7	49.6			13.9
ESE	9.2	2.3	3.5						43.9	2.3	42.8		.6	15.6
SE	5.5	2.3	1.2						43.9	5.3	39.2			21.1
SSE	4.0	2.7	2.0						50.7	1.3	30.7		1.3	22.7
S	3.4	4.1	1.4						46.9	3.4	30.6		2.0	22.4
SSW	4.4		2.2						40.0	6.7	53.3			20.0
SW	3.7								25.9	9.3	42.6			37.0
WSW	1.9	1.9	3.7						35.2		53.7			25.9
W	2.6	2.6	.9						31.0	6.0	52.6			25.9
WNW		1.1							27.0	9.0	41.6			36.0
NW		.6	1.3						27.2	1.9	28.5			48.1
NNW	.6	2.4	3.0						25.1	3.6	34.1			44.3
VARIABLE														
CALM	.7	.5	2.0						45.3	2.6	44.9			14.2
TOTAL	58	34	54						965	119	1038		6	604
% TOTAL	3.3	1.4	2.2						39.0	4.8	41.9		.2	24.4

TOTAL NUMBER OF OBSERVATIONS 2,477

NAVWEASERVCOM



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

27117

LEMOORE, CA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

ALL

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	WEATHER
N	.4	.6	.2					.1	3.1	.6	9.1		.3	86.9
NNE	.3	.8	.2						4.6	.8	15.1			79.7
NE	1.1	1.1	.4					.4	8.4	1.3	17.6			73.0
ENE	2.5	.8	1.5					.3	6.6	2.0	18.7			69.7
E	3.3	1.5	1.1						14.6	2.9	26.0			53.5
ESE	7.2	2.5	1.2					.1	27.2	4.1	28.3		.1	40.7
SE	7.1	3.1	1.1						23.3	5.5	23.1		.2	47.4
SSE	5.1	3.7	.9						23.3	4.2	19.9		.4	49.7
S	4.2	4.2	.5						16.8	2.6	17.5		.5	59.9
SSW	3.4	1.5	.6						12.6	3.6	15.6			69.1
SW	1.5	2.3	.2						8.1	3.9	14.1			74.5
WSW	1.6	1.5	.5					.1	7.4	1.6	15.8		.3	77.1
W	1.2	.8	.1					.2	6.7	2.7	14.0		.1	79.4
WNW	.7	.4	.0					.1	4.4	1.9	10.4			85.0
NW	.5	.8	.1					.1	3.8	1.1	7.5		.2	87.2
NNW	.6	.6	.3					.1	3.2	.8	7.7		.3	88.0
VARIABLE														
CALM	1.1	.8	.9						21.0	5.2	38.0			63.2
TOTAL	44.5	32.8	13.0					2.0	286.8	65.8	438.2		.2	2152.1
% TOTAL	1.6	1.1	.4					.1	9.8	2.3	15.0		.2	73.7

TOTAL NUMBER OF OBSERVATIONS 29,213

NAVWEASERVCOM

NOCD. Federal Building  
Asheville, N. C.

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL\*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION 14007, CA 61-37  
STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	10.0	13.4	5.2	1.2	2.2	5.5	3.7	1.1	.5					24.4	651	1.29	5.34	0.0
FEB	6.4	7.4	4.4	5.6	4.4	5.9	3.7	1.9	.7					25.0	593	1.38	4.64	.7
MAR	7.7	5.8	1.7	2.5	3.7	6.6	3.5	1.8						19.0	651	1.24	3.41	TRACE
APR	10.0	5.4	1.7	3.5	1.8	3.2	2.5	.6						12.7	630	.59	2.32	0.0
MAY	.7	4.5	.8	1.5	1.1	.9	.9	.2						5.4	651	.22	1.27	.7
JUN	7.0	2.7		1.1	.3	.3	.3							2.1	630	.07	.35	.0
JUL	5.0	1.5	.5	.2	.3	.3								1.2	651	.02	.21	.0
AUG	10.0	1.4	.1	.7	.1	.1								1.2	652	.02	.14	.0
SEP	7.7	2.4	.5	1.4	.3	.6	.3	.3	.3					3.0	660	.26	2.54	.0
OCT	5.0	4.4	1.7	2.3	.7	1.6	1.2	.3						7.6	682	.34	1.72	.0
NOV	73.5	7.0	2.4	5.0	2.4	5.0	2.3	1.4						18.4	660	.89	2.72	.0
DEC	15.7	11.5	5.7	5.7	3.8	4.5	1.2	1.4						22.7	651	.93	3.67	.5
ANNUAL	10.0	5.4	7.1	2.9	1.5	2.9	1.6	.8	.1					12.1	7772	7.25		

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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION 2701 LAMBERT, CA STATION NAME 61-10 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	9.2	.2				.2								.2	551	.2	3.5	.
FEB	9.2	.2													593	TRACE	TRACE	.
MAR	9.2	.2	.2											.2	551	TRACE	.	.
APR	9.2		.2											.2	570	TRACE	.	.
MAY	9.2														601	.2	.2	.
JUN	9.2														637	.2	.	.
JUL	9.2														651	.2	.	.
AUG	9.2														650	.2	.	.
SEP	9.2														663	.2	.	.
OCT	9.2														672	.2	.	.
NOV	9.2														667	.2	.	.
DEC	9.2	.2													651	TRACE	TRACE	.
ANNUAL	9.2	.1	.2			.2								.2	7742	.2	X	X

NAVWEASERVCOM

4

40625

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

20110

LEWIS, GA

61-87

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61								.00	.04	.00	.01	.00	
62	.20	1.00	.35	.00	.00	.00	.00	.00	.00	.10	.00	.01	1.00
63	.50	1.00	.35	.30	.04	.00	.00	.00	.10	.10	.00	.00	.00
64	.00	.00	.21	.00	.00	.00	.00	.14	.00	.45	.00	.00	.00
65	.20	.10	.40	.30	.00	.00	.00	.01	.00	.04	.01	.40	.00
66	.30	.20	.00	.00	.20	.00	.11	.00	.00	.00	.20	.70	.00
67	.40	.04	.41	.20	.20	.30	.00	.00	.00	.01	.04	.00	.00
68	.20	.20	.50	.01	.10	.00	.00	.00	.00	.00	.40	.60	.00
69	1.00	1.40	.20	.40	.00	.00	.10	.00	.00	.00	.00	.10	1.00
70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00
71	.10	.10	.10	.60	.40	.00	.00	.00	.00	.01	.11	.41	.00
72	.00	.10	.00	.10	.00	.00	.01	.00	.00	.00	.00	.00	.00
73	1.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
74	.00	.00	.30	.11	.00	.00	.00	.00	.00	.20	.00	.00	.00
75	.00	.41	.40	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00
76	.00	.00	.20	.31	.00	.00	.01	.00	1.30	.40	.00	.40	1.00
77	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
78	.00	1.00	.00	.70	.00	.00	.00	.00	1.00	.00	.00	.20	1.00
79	.40	.00	.70	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00
80	.00	1.40	.40	.11	.10	.00	.00	.00	.00	.00	.00	.10	1.40
81	.30	.10	.00	.20	.30	.00	.00	.00	.00	.20	.00	.00	.00
82	.20	.21	.70	.00	.00	.10	.00	.00	.00	.40	.00	.00	.00
MEAN	.40	.50	.40	.20	.10	.00	.00	.00	.10	.00	.30	.30	.00
S. D.	.300	.500	.600	.200	.100	.100	.400	.000	.300	.200	.400	.200	.100
TOTAL OBS.	651	651	651	651	651	651	651	651	651	651	651	651	7747

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

2011

1. 5-27-77, 64

61-27

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

## SMOS

## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

61-6

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

## SMOS



1047 2004 94321

SNO. FALL

(FROM DAILY OBSERVATIONS)

27115

LT M. GRIFF, CA

61-37

STATION

STATION NAME

**YEARS**

• • •

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

27117

LEWIS, CA

61-62

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
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91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02
S. D.	.873	.802	.800	.800	.800	.800	.800	.800	.800	.800	.800	.800	.894
TOTAL OBS.	651	593	651	633	651	630	651	682	660	682	660	651	7792

SMOS



159 73006 50127

2111

61-52

STATION

STATION NAME

**YEARS**

[illegible]

## SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

20110

LEMOORE, CA

1 62-1983

STATION

STATION NAME

YEARS

JANUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.1		1 1983			
2	.2	13	1977			
3	.1	3	1981			
4	.4	12	1974			1968
5	.21	5	1978			
6	.44	11	1974			
7	.2	23	1974			
8	.5	14	1978			
9	.2	6	1978			
10	.1	15	1937			
11	.6	17	1951			
12	.2	5	1987			
13	1.12	27	1969			
14	.3	7	1977			
15	.1	5	1977			
16	.4	22	1978			
17	.47	12	1987			
18	1.7	23	1973			
19	1.7	33	1969			
20	.44	11	1969			
21	.2	13	1964			1987
22	.4	21	1983	3.3	84	1962
23	.2	7	1969			
24	.3	11	1967			
25	.7	24	1969			
26	.2	7	1983			
27	.3	19	1983			
28	1.7	51	1983			
29	.1	5	1981			
30	.22	11	1963			1969
31	.2	13	1963			
Monthly	1.79	51	1983	3.3	84	1962

FEBRUARY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.12	3	1966			
2	0.12	3	1975			
3	0.07	1	1975			
4	0.20	5	1966			
5	0.4	11	1978			
6	0.46	12	1978			
7	0.57	14	1978			
8	0.76	19	1978			
9	1.70	43	1978			
10	1.08	27	1962			
11	0.6	19	1972			
12	0.2	21	1983			
13	0.53	13	1979			
14	0.14	4	1977			
15	0.23	6	1980			
16	1.42	36	1980			
17	0.27	7	1987			
18	0.37	9	1960			
19	0.45	12	1980			
20	0.3	21	1979			
21	0.12	3	1960			
22	0.08	2	1979			
23	0.25	6	1969			
24	1.70	36	1969			
25	0.3	13	1983			
26	0.17	4	1987			
27	0.28	7	1973			
28	0.55	15	1977			
29	0.02	1	1976			
30						
31						
Monthly	1.70	43	1978			1972

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

2011

1. MOORE, CA

1960-1983

STATION

STATION NAME

YEARS

MARCH

MONTH

11

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.00	0	1983			
2	0.00	0	1980			
3	0.00	0	1978			
4	0.00	0	1981			
5	0.00	0	1975			
6	0.00	0	1980	0.3	8	1980
7	0.50	13	1968			
8	0.30	8	1975			
9	0.10	3	1978			
10	0.01	0	1969			
11	0.00	0	1982			
12	0.1	3	1970			
13	0.0	0	1968			
14	0.20	5	1982			
15	0.0	0	1981			
16	0.0	0	21 1977			
17	0.10	3	1982			
18	0.02	1	1970		1	1982
19	0.00	0	1981			
20	0.00	0	1977			
21	0.00	0	7 1981			
22	0.00	0	1960			
23	0.00	0	10 1983			
24	0.67	17	1983		1	1983
25	0.02	0	6 1980			
26	0.00	0	5 1979			
27	0.02	0	18 1979			
28	0.00	0	10 1983			
29	0.00	0	7 1982			
30	0.42	11	1973			
31	0.74	19	1982			
Monthly	0.8	20	1981	0.3	8	1980

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.01	1	1960			
2	0.01	0	5 1960			
3		0	1976			
4	0.35	9	1978			
5	0.40	10	1969			
6	0.74	19	1973			
7	0.30	8	1963			
8	0.33	8	1965			
9	0.30	8	1965			
10	0.02	1	1982			
11	0.24	6	1962			
12	0.12	3	1976			
13	0.20	5	1976			
14	0.60	15	1971			
15	0.30	8	1970			
16	0.04	1	1963			
17	0.10	3	1971			
18	0.20	5	1981			
19	0.10	3	1981			
20	0.20	5	1963			
21	0.10	3	1967			
22	0.04	1	1960			
23	0.11	3	1967			
24	0.33	8	1978			
25	0.40	10	1970			
26	0.00	0	1 1970			
27	0.00	0	1 1983			
28	0.20	5	1983	0.1	3	1980
29	0.02	0	1 1983			
30	0.00	0	1 1983			
31						
Monthly	0.74	19	1978	0.1	3	1980

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

0 11

L. M. C. F. , 11

1962-1983

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2		1977			
2	0.2		1971			
3	0.2		1971			
4	0.2		1949			
5	0.2		1971			
6	0.2		1964			
7	0.2		1971			
8	0.34		1977			
9	0.2		1966			
10	0.2		1966			
11	0.2		1977			
12	0.1		1977			
13	0.21		1961			
14	0.2		1964			
15						
16	0.2		1962			
17						
18			1981			
19	0.2		1981			
20	0.2		1972			
21						
22						
23	0.12		1984			
24	0.1		1984			
25			1981			
26			1981			
27	0.2		1971			
28	0.4		1963			
29						
30			1977			
31						
Monthly	0.4		1963			

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1			1964			
2						
3						
4	0.37		1967			
5			1969			
6	0.07		1966			
7			1966			
8	0.04		1977			
9	0.20		1977			
10	0.2		1976			
11			1977			
12			1977			
13			1977			
14						
15			1977			
16	0.7		1969			
17	0.5		1969			
18						
19						
20						
21						
22						
23						
24						
25						
26			1971			
27						
28			1982			
29	0.6		1982			
30	0.12		1982			
31						
Monthly	0.37		1967			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

111

1 MONTH, 11

1 61-1983

STATION

STATION NAME

YEARS

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0		2 1968			
2						
3						
4			1970			
5						
6						
7						
8			1969			
9						
10						
11						
12	0.1		4 1969			
13	0.0		7 1969			
14						
15	0.01		1976			
16						
17			1971			
18						
19						
20						
21			1970			
22	0.01		1976			
23						
24						
25			1978			
26			1964			
27						
28			1970			
29	0.01		1972			
30	0.11		3 1966			
31						
Monthly	0.1		4 1969			

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3			1961			
4			1976			
5	0.04		2 1973			
6						
7	0.02		1 1963			
8			1963			
9						
10			1965			
11	0.01		1965			
12	0.02		1 1969			
13						
14	0.02		1 1963			
15	0.02		1 1976			
16						
17			1977			
18	0.01		1 1975			
19	0.20		7 1967			
20						
21						
22						
23						
24			1971			
25						
26						
27			1967			
28						
29						
30	0.13		3 1963			
31	0.14		4 1964			
Monthly	0.20		7 1967			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

111

L. M. 111

1961-1993

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4	.0		27 1975			
5	.1		3 1979			
6	.0		1 1983			
7	.0		2 1989			
8	.0		1 1973			
9			7 1975			
10	.0		16 1976			
11	.0		11 1978			
12						
13						
14						
15						
16			1982			
17						
18	.1		3 1968			
19	.0		1 1966			
20			1969			
21	.0		2 1953			
22			1957			
23			1982			
24	.0		7 1982			
25	.0		23 1982			
26	.0		1 1982			
27						
28	.1		5 1976			
29	.2		34 1976			
30	.1		10 1983			
31						
Monthly	1.0		34 1976			

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.0		12 1975			
2	.1		4 1974			
3	.1		1967			
4			7 1973			
5			7 1977			
6	.1		5 1975			
7	.0		19 1977			
8			7 1973			
9			7 1972			
10	.1		4 1981			
11	.0		5 1969			
12	.0		1 1968			
13	.0		19 1968			
14	.1		4 1965			
15	.0		1967			
16	.0		7 1983			
17	.0		1 1975			
18			7 1971			
19	.0		1979			
20	.1		3 1979			
21			1971			
22	.0		1 1973			
23	.0		1 1977			
24	.0		1982			
25	.1		3 1979			
26	.1		4 1982			
27	.0		2 1968			
28	.0		19 1964			
29	.0		11 1964			
30	.0		12 1982			
31	.0		1 1978			
Monthly	.5		19 1968			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

0 110

L MOORE, TA

1 61-1987

STATION

STATION NAME

YEARS

NOVEMBER

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0	1963			
2	0.1	4	1963			
3	0.2	5	1964			
4	0.6	17	1972			
5	0.2	7	1960			
6	0.7	6	1966			
7	0.2	11	1972			
8	0.0	2	1982			
9	0.1	1	1982			
10	0.2	5	1964			
11	0.2	7	1972			
12	0.2	11	1976			
13	0.2	6	1981			
14	0.1	15	1972			
15	0.1	14	1967			
16	0.1	21	1965			
17	0.1	5	1983			
18	0.2	7	1947			
19	0.2	24	1967			
20	0.2	23	1961			
21	0.4	14	1978			
22	0.2	13	1965			
23	0.2	7	1965			
24	0.1	4	1943			
25	0.5	14	1970			
26	0.2	1	1981			
27	0.1	5	1961			
28	0.2	5	1981			
29	0.2	7	1970			
30	0.1	4	1982			
31						
Monthly	0.7	24	1967			

DECEMBER

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	1	1961			
2	0.2	16	1964			
3	0.5	22	1974			
4	0.1	5	1965			
5	0.4	14	1966			
6	0.3	19	1966			
7	0.11	3	1967			
8	0.0	2	1969			
9	0.5	14	1987			
10	0.0	1	1971			
11	0.1	4	1965			
12	0.2	6	1965			
13	0.1	4	1977			67
14	0.2	16	1968			
15	0.07	2	1977			
16	0.1	5	1967			
17	0.0	20	1977			
18	0.1	10	1970			
19	0.1	4	1969			
20	0.1	3	1977			1 69
21	0.0	5	1977			
22	0.5	15	1967			
23	0.8	23	1977			
24	0.0	13	1987			
25	0.1	4	1967			
26	0.1	4	1964			
27	0.3	21	1977			
28	0.4	16	1977			
29	0.4	11	1965			
30	0.3	11	1976			
31	0.1	5	1976			
Monthly	0.8	23	1977			1968

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NOCD, Federal Building  
Asheville, N. C.

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

REFERENCE: 1.7.1  
(FROM DAILY OBSERVATIONS)

STATION: L. MOUNT, CA STATION NAME: ASHEVILLE, NC YEARS: 1951-1960

DAILY DEW POINTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51													
52	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
53	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
54	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
55	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
56	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
57	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
58	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
59	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
60	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
61	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
62	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
63	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
64	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
65	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
66	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
67	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
68	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
69	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
70	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
71	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
72	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
73	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
74	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
75	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
76	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
77	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
78	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
79	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
80	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
81	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
82	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
83	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
84	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
85	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
86	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
87	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
88	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
89	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
90	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
91	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
92	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
93	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
94	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
95	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
96	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
97	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
98	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
99	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
00	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	
MEAN	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555	3555
S.D.	4.587	4.587	4.587	4.587	4.587	4.587	4.587	4.587	4.587	4.587	4.587	4.587	4.587
TOTAL OBS.	651	651	651	651	651	651	651	651	651	651	651	651	651

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# EXTREME VALUES

SURFACE WIND  
FROM DAILY OBSERVATIONS

STATION 2711 LIMPOO, CA 41-97  
STATION NAME YEARS

DAILY PEAK WINDS IN KNOTS  
BASED ON LESS THAN SIX OBSERVATIONS FOR MONTH

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1							17						
2													
3													
4							24						
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL WEATHER YEARS: 73-8 MONTH: JAN  
CLAS: 73  
CONDITION: MOUSE (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5
NNE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.6
NE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.3
ENE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	5.0
E	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.3
ESE	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.9
SE	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.3
SSE	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.5
S	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	6.8
SSW	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.9
SW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.5
WSW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.6
W	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	3.6
WNW	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.9
NW	1.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.3
NNW	1.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.1
VARBL													
CALM												7.4	
	37.3	22.0	3.7	1.0	1.3	0.3						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LSMOORE, CA STATION NAME 73-81 YEARS JAN  
ALL WEATHER CLASS CLIM  
 CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.7
NNE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
E	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.1
ESE	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	5.4
SE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	3.8
SSE	1.0	3.0	1.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.9
S	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	3.5
SSW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1
SW	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.6
WSW	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.7
W	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.4
WNW	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8
NW	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.1
NNW	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.7
VARBL													
CALM												10.0	
	30.0	20.0	11.0	5.0								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 110

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME 73-42 YEAR JAN  
MONTH 07  
CLASS ALL WEATHER  
HOURS (L & T) 07  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	0.6	0.6									4.6	3.3
NNE	0.6	0.6										1.3	3.8
NE	0.6	0.7										1.0	2.7
ENE	0.1	0.2										1.0	3.3
E	1.0	1.6										2.6	3.9
ESE	1.3	4.2	0.6	0.6								6.8	5.4
SE	2.7	3.9	1.9	0.6								8.7	5.6
SSE	1.6	2.9	2.7	1.0								8.1	6.0
S	2.6	2.6	1.0									6.1	4.0
SSW	1.2	0.6										2.5	2.6
SW	1.6		0.7									1.4	3.7
WSW	0.1	0.6										1.0	4.3
W	2.6	1.0										3.6	2.7
WNW	1.0	1.3										2.9	3.4
NW	1.9	1.2	1.3	0.6								7.1	5.7
NNW	1.3	1.9	1.0	1.0								5.2	6.9
VARBL													
CALM												75.0	
	25.5	25.8	9.7	3.9								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMON, CA STATION NAME LEMON, CA YEARS 73-87 MONTH JAN  
ALL WEATHER CLASS 10  
CONDITION 10  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.1	.3								5.4	5.5
NNE	.5	.4	.3									1.6	5.5
NE	1.0											1.0	1.7
ENE	.7	1.0										1.7	4.6
E	.7	.4	.3	.3								3.4	4.0
ESE	.3	2.4	1.0									5.8	4.6
SE	.3	2.7	1.0	.4								10.4	4.6
SSE	.7	3.6	3.4	3.2	.3							16.2	6.6
S	1.0	1.0	1.4	1.3								6.3	6.8
SSW	.7											2.3	2.6
SW	1.4		.3									1.6	3.0
WSW		.4										.6	5.0
W	1.7	.4										1.5	2.5
WNW	.7	1.0										2.3	4.6
NW	1.0	.3	1.4	.3	.3							3.4	7.9
NNW	1.3	2.4	3.0	1.4	1.3	.7						11.0	9.3
VARBL													
CALM												29.3	
	24.8	31.0	35.0	7.2	1.0	.7						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 575

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0711 LEADERS ST STATION NAME 13-82 YEAR 1982 MONTH JAN  
ALL WEATHER CLASS 13 HOURS (LST) 13  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	3.2	1.6								12.2	4.7
NNE	1.2	1.2	1.2									2.9	3.3
NE	1.2	1.2										2.6	2.3
ENE	1.2											2.5	1.5
E	1.2	3.6	1.6	1.2								6.5	4.8
ESE	1.2	1.2	2.3	1.6								6.5	5.7
SE	1.2	1.2	1.2	1.2								9.1	6.1
SSE	1.2	1.2	3.9	1.2	1.2							9.1	2.3
S	1.2	2.6	1.6	1.2	1.2							6.5	5.9
SSW	1.2			1.2	1.2							1.6	2.5
SW	1.2	1.2										1.6	2.5
WSW	1.2	1.2	1.2	1.2								1.6	2.1
W	1.2	1.2										1.6	3.0
WNW	1.2	1.2	1.2									1.6	5.3
NW	1.2	1.2	1.2	1.2								5.2	7.8
NNW	1.2	2.3	3.6	2.6	1.2							11.7	2.4
VARB													
CALM												17.2	
	27.2	23.2	14.4	11.7	1.6							172.0	5.0

TOTAL NUMBER OF OBSERVATIONS 379

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LENOIR, GA STATION NAME LENOIR, GA YEAR 1942 JAN 1942  
ALL WEATHER CLASS ALL WEATHER HOURS (L.S.T.) 16  
CONDITION ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.1	2.0	0.6								13.4	5.6
NNE	1.0	2.0	1.0	0.6								6.5	5.3
NE	1.0	1.0	0.0									2.0	4.0
ENE	1.0	1.0	0.0									3.0	4.4
E	1.0	1.0	1.0									4.5	4.9
ESE	1.0	1.0	1.0									5.5	5.5
SE	0.0	2.0	2.0	1.0								7.8	6.0
SSE	1.0	1.0	2.0	0.6								6.5	6.3
S	1.0	2.0	0.0	0.1	0.1							4.9	6.6
SSW	1.0	0.0		0.1								1.9	4.1
SW													
WSW	0.0	0.1	0.1	0.1								1.6	5.8
W	1.0	0.1		0.1								2.1	4.0
WNW	1.0	0.0										1.6	3.2
NW	1.0	2.0	1.0	1.0								7.1	6.0
NNW	2.0	2.0	1.0	2.0	0.1							10.8	7.6
VARBL													
CALM												0.1	
	22.7	28.5	19.7	8.4	0.6							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 179

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2111 STATION LEMORE, CA STATION NAME 73-82 YEARS 1981 NORTH  
ALL WEATHER CLASS 10 NOV 1981  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.3	.0									5.8	3.7
NNE	1.7	1.6										2.5	3.8
NE	.0	.3										1.0	3.3
NNE	1.0	.3	.7									1.6	3.6
E	1.2	2.0										4.5	3.5
ESE	3.2	1.6	1.0	1.0								6.2	5.2
SE	2.2	4.2	1.0	.3								9.0	4.8
SSE	2.0	2.3	1.0		.3							7.1	5.3
S	2.0	1.3	1.0									5.2	4.7
SSW	1.0	1.0	1.0									2.0	4.9
SW	.0	.5	.3									1.0	4.0
WSW	1.6	.6										2.3	3.3
W	4.2	1.0		.3								5.5	3.1
WNW	2.0	1.6	.3									4.5	3.8
NW	1.3	3.3	1.0	.3								7.1	5.6
NNW	3.0	2.2	1.6	.3								8.7	4.6
VARBL													
CALM												23.0	
	34.2	27.7	11.5	2.3	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 110

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME LEMOORE YEARS 73-82 MONTH JAN  
ALL WEATHER  
 HOUR (LST) 22  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0										1.4	4.0
NNE	.4	.5										1.0	2.3
NE	1.0											1.0	2.3
ENE		.3										.3	4.7
E	1.0	1.0										3.0	3.4
ESE	1.0	2.0	1.1	.3								7.7	4.8
SE	1.0	1.0	1.0	.6								4.5	5.9
SSE	1.0	2.0	1.0		.3							6.5	5.5
S	1.0	2.0	1.0	1.0								6.1	6.8
SSW	1.0	1.0	.3	.3								3.9	4.4
SW	1.0	1.0										2.9	3.6
WSW	2.0	1.0	1.0									5.2	4.2
W	1.0	4.0										13.9	3.3
WNW	2.0	4.0		.3								7.4	4.1
NW	1.0	3.0	1.0	.4								6.8	5.3
NNW	1.0	2.0	1.0	.3								4.3	5.5
VARBL													
CALM												24.5	
	22.4	34.5	8.4	3.9	.3							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME LEMOORE YEAR 1962 MONTH JAN

ALL WEATHER CLASS

CONDITION

ALL HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.1	1.5	.4								4.0	5.0
NNE	1.1	.1	.5	.1								2.4	4.2
NE	1.0	.1	.1									1.6	3.0
ENE	.0	.0	.1									1.5	3.5
E	2.1	1.2	.4	.1								4.4	4.1
ESE	2.3	2.6	1.4	.4								6.5	5.1
SE	1.0	3.1	1.6	.6	.1							8.4	5.4
SSE	.5	2.7	2.0	1.0	.2							6.4	6.3
S	2.2	2.2	1.1	.6	.1							6.2	5.4
SSW	1.5	.7	.2	.1								2.3	4.0
SW	1.2	.4	.2									1.7	3.5
WSW	1.1	.2	.2	.1	.0							2.3	4.9
W	2.6	1.4	.1	.1								4.9	3.3
WNW	1.7	1.7	.2	.1		.2						3.6	4.0
NW	1.6	2.5	1.6	.7	.0							6.4	6.1
NNW	1.9	2.5	1.2	1.1	.3	.0						7.8	7.0
VARBL													
CALM												25.4	
	23.7	26.2	12.9	5.2	.8	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2077

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2511 LOWERY, CA STATION NAME 73-22 YEARS FEU  
ALL WEATHER 01  
ELAB HOURLY  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.7	.4								3.2	5.6
NNE	.4	.4										.7	2.5
NE	.7	.4										1.1	3.7
ENE	.7											.7	3.0
E	3.6	1.1	.4									5.3	3.1
ESE	1.1	.4	.7	.4								3.2	4.7
SE	1.4	1.0	1.1									6.4	5.0
SSE	2.1	1.5	.7	.7								5.3	5.3
S	4.3	.7	2.5	1.1								8.5	5.7
SSW	.7		.4									1.1	4.0
SW	1.1											1.1	2.3
WSW	4.3	.7										5.0	2.5
W	4.4	4.4	.7									11.7	3.8
WNW	2.1	2.5	.4									5.2	3.7
NW	2.1	4.4	1.8									8.9	4.6
NNW	1.8	2.5	1.8	1.4	.4							7.8	2.0
VARBL													
CALM												24.5	
	34.0	26.2	11.0	3.9	.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 232

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13-92 STATION NAME ALL WEATHER CLASS 24 MONTH NOV 1957

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	.4									5.7	3.3
NNE		1.1										1.1	1.3
NE													
ENE		1.1										1.1	1.1
E	1.1	1.1	.4									3.5	3.6
ESE	2.5	2.1	.7									5.2	3.7
SE	1.4	2.5	.4									4.4	4.2
SSE	2.1	3.5	1.4	.4								7.9	4.9
S	2.1	2.5	1.4	.4								6.7	5.6
SSW	4.5	1.4		.4								6.7	3.6
SW	1.4	1.1										2.5	3.6
WSW	2.2	2.5										5.2	2.9
W	4.5	3.5										8.0	3.3
WNW	2.5	2.5	.4									5.3	3.2
NW	.7	3.5	.4	.7	.9							5.7	4.5
NNW	2.2	2.1	1.1	1.4								6.2	4.2
VARBL													
CALM												12.7	
	33.3	33.3	6.7	3.5	.4							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 242

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 174-2-0-0, CA STATION NAME 23-00 YEARS 1950 NORTH 07  
ALL WEATHER CLASS 07 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.0	1.1									3.2	4.0
NNE	0.0		0.4									0.7	4.5
NE	1.1											1.1	2.3
ENE	0.2		0.4									1.1	4.3
E	1.2	2.1										3.2	3.4
ESE	1.0	1.0	0.4									3.2	3.8
SE	1.2	3.2	2.5	0.7								8.2	4.6
SSE	2.1	3.2	1.4									6.7	4.5
S	3.2	2.5	1.1	0.4	0.4							7.4	5.2
SSW	2.2	1.0	0.4									5.0	3.6
SW	2.5	1.4										3.2	3.2
WSW	1.4	0.4										1.4	2.6
W	1.4	2.5			0.4							6.4	3.0
WNW	2.1	1.4	0.4									4.1	3.5
NW	1.1	2.5	0.4	0.7								4.1	4.0
NNW	1.4	2.5	1.1	1.1								7.6	5.3
VARB													
CALM												29.4	
	20.2	27.3	6.9	2.8	0.7							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 232

2805



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1140000 STATION NAME 1140000 YEARS 1961 MONTH 10  
CLASS ALL HOURS (L & T) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.1	3.0	1.0								8.0	7.5
NNE	1.0	1.1										2.1	3.3
NE													
ENE		0.7										1.0	4.7
E	2.2	0.7										3.0	2.5
ESE	2.0	1.0	1.0									7.0	4.7
SE	2.0	2.1	2.0	0.4								6.5	4.0
SSE	2.0	4.5	3.0	2.1								14.0	4.5
S	0.0	2.6	1.0	0.7								9.0	4.7
SSW	2.0	0.7	0.5									2.2	3.3
SW	0.2	0.4		0.4								1.4	5.3
WSW	1.1	0.7	0.5									2.1	3.0
W	1.0	1.1										2.0	3.0
WNW	1.1	1.0	1.1									3.2	5.6
NW	1.0	3.5	0.5	1.1	0.4							7.0	5.0
NNW	1.0	3.5	2.0	1.2	0.7	1.1						13.0	10.0
VARBL													
CALM												14.5	
	25.2	39.8	16.1	9.2	1.1	1.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 282

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1964 DATE 1964  
ALL WEATHER  
CLIM  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 CLASS \_\_\_\_\_  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.4	5.6	7.2	4.4	4.4						30.2	7.3
NNE	2.2	1.1	2.2	2.2								5.7	5.0
NE	1.1	2.2	2.2									2.5	3.5
ENE	1.1	2.2	2.2									2.5	4.4
E	2.2	1.1	1.1	2.2								7.1	4.4
ESE	2.2	1.1	2.2	2.2								7.1	5.0
SE	1.1	2.2	2.2	2.2								8.9	7.3
SSE	2.2	2.2	1.1	2.2								4.4	6.1
S	2.2	1.1	1.1	1.1								5.7	6.1
SSW	2.2	2.2	2.2	2.2								1.1	5.0
SW	2.2	2.2	2.2	2.2								2.2	5.3
WSW			2.2	2.2								4.4	10.0
W				2.2								2.2	14.3
WNW	1.1	2.2	2.2	2.2								2.2	5.3
NW	2.2	1.1	2.2	2.2								3.3	7.3
NNW	1.1	2.2	2.2	1.1	2.2							8.9	7.3
VARBL													
CALM												16.7	
	27.2	24.5	21.5	12.4	7.2	4.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 292

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEAR 1952 L E 2 NORTH  
ALL WEATHER CLASS 1 HOUR (LST) 1  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	1.3	1.4	0.7	0.4							12.4	4.7
NNE	1.3	0.7										2.1	2.3
NE	0.4	0.4										0.7	3.4
ENE	1.4	0.4										1.4	2.4
E	1.4	1.1										2.4	3.6
ESE	2.5	2.4										5.7	3.6
SE	2.5	2.4	2.5	0.4								8.5	5.4
SSE	2.5	1.4	0.7	0.4								5.7	4.5
S	2.5	4.3	1.1		0.7							9.4	5.1
SSW	1.1		0.4									1.4	4.2
SW	0.7		0.7									1.4	4.6
WSW	0.7	1.1	0.4	0.4								2.4	4.1
W	1.1	1.4										2.5	3.3
WNW	1.4	1.4										3.2	3.3
NW	0.7	1.4	2.4	0.4								4.2	5.2
NNW	0.4	2.4	1.1	1.4								4.4	5.7
VARBL													
CALM												22.7	
	30.4	26.6	11.3	3.4	1.1							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 202

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1040000 CA STATION NAME 73-80 YEARS 1961 NORTH 22  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	0.7	0.7	0.4								2.0	5.6
NNE	0.7	0.4										1.1	3.3
NE													
ENE	0.4											0.4	2.0
E	0.7	1.1	0.7									2.5	4.7
ESE	0.4	0.7	1.4	0.4								2.5	7.6
SE	2.0	2.1	0.7	0.7								6.0	5.1
SSE	1.1	0.7	0.7	0.4								2.9	5.9
S	0.7	2.5	1.4	0.7								7.4	5.6
SSW	1.4	2.1										3.5	3.6
SW	3.1	2.8	0.7									7.1	3.5
WSW	3.5	5.0	0.4	0.4								9.2	4.2
W	6.7	10.2										17.0	3.6
WNW	2.1	5.0	0.4									7.8	4.3
NW	0.7	1.4	1.4	2.1								6.4	7.8
NNW	1.4	2.0	2.5	0.4								6.7	5.8
VARBL													
CALM												16.1	
	22.1	37.4	11.3	5.3								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEWIS, CA STATION NAME LEWIS YEARS 1950 FEB 1950  
ALL WEATHER ALL MONTH ALL  
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	7.1	2.2	1.2	.3	.1						5.1	4.6
NNE	1.2	.4	.2	.1								2.3	4.1
NE	.7	.4	.1									1.2	3.2
ENE	.2	.4	.1									1.4	3.6
E	2.4	1.1	.4	.2								4.4	3.7
ESE	2.4	1.4	1.2	.1								5.1	4.7
SE	1.7	2.3	1.5	.8								7.3	4.1
SSE	4.1	2.7	1.4	.7								6.9	5.7
S	1.3	2.7	1.6	.8	.2							7.8	3.7
SSW	1.8	.4	.2	.1								2.4	3.9
SW	1.4	.4	.3	.1	.4							2.7	4.8
WSW	1.4	1.3	.2	.1	.4							3.5	3.9
W	2.4	2.2	.1	.4	.4							6.2	3.7
WNW	1.7	2.0	.4	.4	.4							4.2	4.2
NW	1.4	2.4	1.1	.4	.1							4.7	4.2
NNW	2.4	2.4	1.2	1.2	.3	.1						9.0	7.5
VARBL													
CALM												20.1	
	22.7	22.4	12.1	4.5	.8	.2						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2255

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11-0225-01 STATION NAME 73-20 YEAR 73 MONTH 01  
CLASS ALL WEATHER  
CONDITION 01  
HOURS (LST) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.6	1.7									8.8	5.1
NNE	0.7	0.6										1.0	4.3
NE	0.6	0.6										1.3	4.3
ENE	1.0	1.0										1.2	3.8
E	0.6	1.0										1.6	3.2
ESE	2.1	1.9										4.2	3.5
SE	0.7	1.3	0.7	0.6								2.6	7.3
SSE	1.7	1.6	1.7	0.7								4.5	5.5
S	1.7	3.2	0.7	1.0								5.5	5.9
SSW	1.7	0.7	0.6									3.2	3.9
SW	1.3	1.6	0.7									3.2	4.1
WSW	3.9	1.0	0.7	0.7								6.5	3.6
W	6.5	4.8	0.7									11.4	3.3
WNW	1.2	4.4		0.7								6.4	4.3
NW	1.2	4.5	2.1	1.3								9.0	4.5
NNW	4.5	3.2	3.2	1.3			0.7					12.4	5.4
VARBL													
CALM												17.7	
	11.0	35.5	10.3	5.2			0.7					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2713 STATION NAME LENOUE, CA YEAR 77-82 MONTH NORTH  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	1.0								6.0	5.0
NNE	1.0	1.0										1.0	4.0
NE			1.0									1.0	2.0
ENE	1.0	1.0										2.0	4.0
E	1.0	1.0	1.0									3.0	4.0
ESE	1.0	1.0										2.0	3.0
SE	1.0	1.0	1.0		1.0							4.0	4.5
SSE	1.0	1.0	1.0	1.0								4.0	4.5
S	1.0	1.0	1.0	1.0								4.0	4.5
SSW	1.0	1.0	1.0	1.0								4.0	4.5
SW	1.0	1.0	1.0	1.0								4.0	3.5
WSW	1.0	1.0	1.0	1.0								4.0	3.5
W	1.0	1.0	1.0	1.0								4.0	3.5
WNW	1.0	1.0	1.0	1.0								4.0	3.5
NW	1.0	1.0	1.0	1.0	1.0							10.0	5.0
NNW	1.0	1.0	1.0	1.0	1.0							12.0	5.0
VARBL													
CALM												11.0	
	11.0	11.0	10.0	4.0	1.0		1.0					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 110

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 211 LEWIS, CA STATION NAME 13-82 YEARS MAC  
CLASS ALL WEATHER SOUTH 07  
COORDINATE 07 HOURS (LST) 07

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	0.6	0.6		0.3						5.5	5.9
NNE	0.3	0.6	0.3									1.3	8.5
NE		0.6										0.6	5.5
ENE	0.7		0.3									0.6	5.5
E	1.6	1.0	0.6									3.2	1.7
ESE	0.6	0.6	1.0	0.3								2.5	6.8
SE	1.3	2.6	0.6		0.3							5.6	6.9
SSE	1.0	1.3	0.6	0.3								3.9	5.3
S	2.2	1.6	0.3	0.3	0.3							6.8	6.9
SSW	1.0	1.3										3.2	1.8
SW	1.3	0.3										1.6	3.2
WSW	1.2	0.3										1.5	2.5
W	1.5	2.6										6.1	3.2
WNW	4.5	1.2	0.3									8.7	3.7
NW	3.2	5.2	3.9	0.6								12.9	5.5
NNW	2.2	3.2	2.3	1.6								10.0	6.5
VARBL													
CALM												23.5	
	14.5	24.1	11.0	3.9	0.6	0.3						100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 510

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 STATION NAME LEMOORE, CA YEARS 73-83 M.S.C. NORTH  
ALL WEATHERED  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.2	4.8	3.5	0.6							17.1	6.1
NNE	1.0	1.0										4.5	2.2
NE	1.0											1.0	2.3
ENE	0.1	0.3										0.6	1.0
E	1.0	0.0										1.0	2.7
ESE	1.0	1.0	1.1									3.0	4.0
SE	2.0	3.3	1.7	0.1								7.7	4.6
SSE	1.0	3.2	2.3	2.6	0.3							10.3	7.0
S	1.0	2.3	2.6	1.7	0.3	0.3						8.4	7.5
SSW	0.6	0.3	1.0									1.9	5.2
SW	0.7											0.1	2.0
WSW	0.6	0.3	0.3									1.0	5.2
W	0.1	1.0										1.1	4.3
WNW	1.0	1.3	0.6			0.3						3.3	6.2
NW	1.0	1.2	2.0	1.3	1.3							8.4	9.4
NNW	2.3	4.4	4.1	3.9	1.6	0.6						21.3	9.1
VARIABLE													
CALM												8.1	
	22.4	24.8	26.1	13.0	4.3	1.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 LEWIS, CA STATION NAME LEWIS YEARS 1982 MONTH 12  
ALL WEATHER CLASS ALL HOUR (LST) 17  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.2	5.4	1.0	1.0	.3						16.2	7.9
NNE	1.3	2.2	.6	.3								5.2	4.9
NE	1.0	1.0										1.2	4.0
ENE		1.3	.3									1.6	5.0
E	1.0	2.6	1.0									4.5	4.9
ESE	1.3	1.6	1.3	.3								5.5	5.4
SE	1.2	.6	1.6	.6	.3							4.5	7.6
SSE	.6	2.6	1.0	1.3								6.5	7.4
S	1.1	3.5	3.2	2.3	.3							10.3	10.0
SSW	.3	1.3		.3								1.9	5.5
SW			1.0	.6	.3							1.9	12.2
WSW	.6		.3									1.0	4.3
W	.6	.3	.3	.3								1.6	1.2
WNW	1.3	1.0	.6									2.9	4.8
NW	1.1	1.6	2.6	.3	.3							5.8	6.8
NNW	1.3	3.5	5.8	3.2	2.0	.6						18.4	10.2
VARBL													
CALM												9.7	
	16.4	27.7	29.0	10.4	5.2	1.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-111 LENOIR CO STATION NAME LENOIR CO YEAR 19-22 MONTH 1-6

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	5.2	5.4	4.2	1.0	.7						25.1	5.6
NNE		2.4	2.4									5.4	5.4
NE		1.7	.7									2.4	4.1
ENE	1.2	1.7	1.0	.7								3.5	5.5
E	1.2	2.0	.6	.3								7.1	4.0
ESE		1.6	1.4	.3								5.2	5.7
SE		1.0	1.4	.6								4.4	5.4
SSE		1.0	1.4	.7								5.0	5.9
S		1.0	1.0	1.0								3.5	7.7
SSW		.7	.4	.6								2.3	7.6
SW		.6	.6	.6								1.5	7.6
WSW			.4	2.4								3.0	12.1
W	.7	.6		.7								1.1	5.0
WNW	1.7		.7									1.6	3.2
NW	1.7	1.4	1.6	.6	.3							6.1	5.9
NNW	1.7	1.7	1.5	1.5	1.1	.7						13.7	2.4
VARS													
CALM												7.9	
	12.4	24.1	24.5	14.1	3.5	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2711 STATION NAME LENOIRE, CA YEARS 73-51 MONTH MAY  
ALL WEATHER CLASS 17 HOURS 11 2 3 4  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.5	1.0	1.0								15.0	5.1
NNE	1.0	1.0	0.3	0.3								4.2	4.8
NE	0.3											0.3	2.0
ENE	0.3	0.3										1.0	3.3
E	1.0	1.0										3.7	3.6
ESE	1.0	0.3	0.3	0.3								2.4	5.8
SE	1.0	1.3	0.6	0.3								2.2	5.3
SSE	2.0	1.3	1.7									5.2	8.7
S	1.0	1.0	1.0	0.6								4.5	5.6
SSW		1.0	1.0			0.3						2.3	3.6
SW	0.3	1.0	1.0									2.6	5.4
WSW	0.3	0.6	0.3	0.6								1.9	7.7
W	1.0	1.0	1.3									3.2	5.2
WNW	1.0	2.3	0.3	0.3								4.5	4.5
NW	2.3	1.1	1.9	1.0								12.3	5.6
NNW	0.3	1.0	1.0	1.0	0.3							16.3	5.6
VARBL													
CALM												15.0	
	17.1	35.5	13.7	7.1	0.3	0.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

**PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)**

<u>STATION</u>	<u>STATION NAME</u>	<u>YEARS</u>	<u>MONTH</u>
	<u>CLASS</u>		<u>HOURS (L &amp; Y)</u>
	<u>CONDITION</u>		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	0.2	0.4	0.6								0.2	0.1
NNE	0.1	0.2										0.2	0.1
NE		0.2										0.2	0.1
ENE		0.1										0.1	0.0
E	0.1		0.2									0.2	0.1
ESE	0.1	0.1	0.1									0.2	0.1
SE	0.1	0.2	0.1	0.1								0.4	0.1
SSE	0.1	0.1	0.1	0.1								0.4	0.1
S	0.1	0.1	0.1	0.1	0.1							0.4	0.1
SSW	0.1		0.1									0.2	0.0
SW	0.1	0.1	0.1									0.2	0.1
WSW	0.1	0.1	0.1									0.2	0.1
W	0.1	0.1	0.1									0.2	0.1
WNW	0.1	0.1	0.1	0.1								0.2	0.1
NW	0.1	0.1	0.1	0.1			0.1					0.2	0.1
NNW	0.1	0.1	0.1	0.1	0.1							0.2	0.1
VARBL		0.1	0.1	0.1	0.1	0.1						0.2	0.1
CALM												0.2	
	0.1	0.1	0.1	0.1	0.1		0.1					0.2	0.1

**TOTAL NUMBER OF OBSERVATIONS**

U.S. GPO 1984 741 348 201

**SMO-8**

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1973-1974 MONTH ALL

CLASS ALL WEATHER

CONDITION ALL

HOURS (L & T) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 2400





NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE YEARS: 1951-1952 MONTH: ALL  
 CLASS: ALL  
 CONDITION: ALL  
 HOUR (LST): ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	2.7									3.7	1.7
NNE	1.7											1.7	1.7
NE													
ENE	1.7	1.7										1.7	1.7
E													
ESE		1.7										1.7	1.7
SE	1.7	1.7		1.7	1.7							3.7	1.7
SSE	1.7	1.7										1.7	1.7
S	1.7	1.7	1.7	1.7								5.7	1.7
SSW	1.7	1.7										2.7	1.7
SW	1.7	1.7										2.7	1.7
WSW	1.7	1.7										3.7	1.7
W	1.7	2.7	1.7									5.7	1.7
WNW	1.7	1.7	1.7									4.7	1.7
NW	1.7	1.7	2.7	1.7	1.7							7.7	1.7
NNW	1.7	2.7	1.7	1.7								5.7	1.7
VARBL													
CALM												17.7	
	2.7	1.7	1.7	2.7	1.7							10.7	1.7

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NO. 100-100-100-100-100

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME 11-22 YEARS 1971-72 MONTH 1971  
ALL WEATHER  
 HOURS (L S Y) 01  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	1.7	1.7								2.7	4.4
NNE												2.7	5.0
NE												2.7	4.6
ENE												2.7	2.1
E	1.7	7.7										2.7	3.1
ESE	1.7	4.7										1.7	2.6
SE	1.7	7.7										3.7	3.4
SSE	1.7	1.7	7.7	1.7								3.7	5.1
S	1.7	1.7	7.7									4.7	4.2
SSW	1.7	1.7	1.7									3.7	5.6
SW	1.7	1.7										1.7	4.0
WSW		1.7										1.7	1.7
W	2.7	7.7										2.7	1.7
WNW	1.7	7.7	1.7									2.7	1.7
NW	2.7	7.7	1.7	1.7	1.7							1.7	6.0
NNW	1.7	7.7	7.7	2.7	1.7	1.7						17.7	6.2
VARBL													
CALM												17.7	
	27.5	34.0	17.7	6.0	7.7	7.7						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEWIS, CA STATION NAME LEWIS, CA YEARS 1933 NORTH 19  
ALL WEATHER CLASS 1 HOURS (L S Y)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	5.7	11.7	0.3								28.0	8.1
NNE	1.7	7.7	1.7	7.7								9.7	6.0
NE	1.7	0.7										2.0	3.0
ENE	1.7											2.0	1.3
E	1.7	0.7										2.0	2.3
ESE	1.7											2.0	4.3
SE		0.7	1.7	0.3								2.0	7.7
SSE	1.7	0.7	1.3	0.3								3.7	5.7
S	1.7	1.7	7.7	1.3	0.3							5.7	6.8
SSW		1.7										1.7	4.3
SW	0.3	7.7										1.3	5.3
WSW		0.7	0.3									0.7	5.5
W	1.7	1.3										2.7	3.8
WNW	1.7	2.7	0.7									4.0	4.0
NW	1.7	4.7	3.0	1.7	0.3	0.3						11.7	7.8
NNW	0.3	5.0	7.0	7.0	2.0	1.0	0.5					22.7	11.0
VARBL													
CAU												5.0	
	1.0	22.3	27.7	17.7	2.7	1.3	0.3					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 300

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 73-87 ADP 11  
 MONTH ALL MONTHS HOURS 11 5 T  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	1.0	4.7	3.3							23.0	6.1
NNE	2.0	7.5	1.7									4.7	6.5
NE	1.7	0.7	1.7	0.3								4.0	6.6
ENE	1.7		1.0									2.0	2.7
E	3.3	1.7										3.7	1.1
ESE	1.7		1.0									2.3	4.6
SE	1.7	1.0	1.0	0.3								3.3	6.1
SSE	0.7	2.0	1.0	0.3								4.0	6.7
S	0.7	1.7	0.7	0.3								3.0	6.1
SSW	1.0	1.7	0.7	1.0								4.3	6.8
SW	0.7	0.3	0.7	0.7								2.3	7.3
WSW	0.7	0.3										1.0	3.7
W	0.7	1.7	0.7									4.7	1.6
WNW	0.7	1.0	0.7									2.7	4.6
NW	0.7	2.3	2.2	1.7	1.0	0.7						8.1	9.6
NNW	1.0	2.0	4.0	3.7	2.0	0.3						22.3	4.2
VARBL													
CALM												4.7	
	20.3	12.3	27.7	13.0	1.3	0.7						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ELMORE, CA STATION NAME ELMORE, CA YEARS 73-82 MONTH APR

ALL WEATHER CLAS 16

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	2.7	11.7	11.7	0.7							34.3	2.9
NNE	1.7	3.3	11.7	0.7								9.7	4.6
NE	0.7	2.7	0.7									3.3	5.6
ENE	1.7	1.7	0.7									3.3	4.7
E	1.7	1.3	0.7									3.3	3.7
ESE		1.7										1.7	5.6
SE	0.7	0.7	0.7									1.7	5.6
SSE		1.7	0.7		0.3							2.3	8.1
S	0.7	2.7	0.3									3.3	5.1
SSW	0.7	0.7	0.7									1.3	5.8
SW		0.7	0.7	0.7								2.0	5.3
WSW	0.7	0.3	0.3	1.3	0.3							2.7	11.1
W		0.3	0.7	1.3	0.3							2.7	12.4
WNW	0.7		0.7									1.3	5.6
NW		1.7	2.0	1.0								4.7	7.7
NNW	1.0	2.7	5.7	5.7	2.0	0.7						17.3	10.5
VARBL													
CALM												3.7	
	11.7	30.0	25.3	22.3	3.7	0.7						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION MARK 73-32 YEARS 1973 1974  
ALL WEATHER  
CLIM  
CONDITION  
15  
HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	1.0	2.0		0.7							31.7	4.4
NNE	0.7	2.0	0.7									5.0	3.8
NE	1.0	1.0	0.7									2.7	3.6
ENE	0.7	0.7										1.0	4.0
E	0.7	1.0										4.7	3.0
ESE	0.7											0.7	1.5
SE	0.7		0.7									0.7	4.8
SSE		0.7	0.7									1.0	5.3
S	1.0	0.7										1.0	2.5
SSW				0.7								0.7	7.0
SW		0.7	1.0	0.7								2.0	4.3
WSW	0.7	1.0	2.0	0.7	0.7							4.7	9.3
W	1.0	0.7	1.0	0.7								1.0	6.1
WNW	0.7	0.7	1.0	0.7								2.7	6.5
NW	1.0	4.0	2.0	1.0								10.7	4.3
NNW	0.7	1.0	0.7	2.0								24.3	5.7
VARBL													
CALM												3.7	
	31.7	47.7	20.7	5.3	1.0							100.7	4.4

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 144001, CA STATION NAME YEARS MONTH 1977  
ALL WEATHER CLASS 22 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	3.0	1.7	0.3	0.3							5.7	4.5
NNE			0.3									0.3	4.0
NE	0.7											0.7	2.0
ENE													
E	0.3											0.3	2.0
ESE		0.7										0.7	3.0
SE		0.7										0.7	4.0
SSE	0.3	0.3	0.3									1.0	5.0
S	1.0	1.0	0.3									2.3	4.3
SSW	1.7	1.0										2.7	3.0
SW	1.7	1.0	0.3	0.3								4.0	4.5
WSW	1.7	2.0	1.7									5.0	4.9
W	2.7	2.0	1.0									14.7	4.2
WNW	2.3	15.0	2.3									15.7	5.0
NW	2.0	11.7	7.0	2.0	0.7							23.3	6.4
NNW	0.7	0.3	7.0	1.7								15.7	7.2
VARBL													
CALM												4.7	
	17.0	62.0	21.7	4.3	1.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 3110

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17-1044 STATION NAME 27-22 YEARS 1955  
ALL WEATHER  
ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.4	4.1	3.2	0.2							19.7	7.2
NNE	1.7	1.5	1.7	0.2								3.6	6.2
NE	0.2	0.7	0.7	0.7								1.7	4.4
ENE	0.2	0.4	0.1									1.2	3.4
E	1.4	0.7										2.1	3.1
ESE	0.2	0.1	0.2									1.6	4.0
SE	0.4	0.4	0.5	0.2	0.0							1.5	5.5
SSE	0.6	1.0	0.6	0.1	0.0							2.3	8.6
S	1.6	1.2	0.4	0.3	0.2							3.4	8.0
SSW	0.4	0.0	0.2	0.2								2.1	5.0
SW	0.1	0.4	0.3	0.3								2.2	5.6
WSW	1.4	1.7	0.5	0.2	0.1							3.4	5.5
W	2.4	1.4	0.5	0.2	0.0							5.0	4.3
WNW	2.1	3.4	0.4	0.1								6.5	4.8
NW	1.0	6.7	3.3	1.3	0.5	0.1						14.2	6.8
NNW	1.7	7.5	4.1	3.2	0.5	0.2	0.0					12.7	8.0
VARBL													
CALM												8.0	
	21.5	17.3	21.6	8.5	1.7	0.4	0.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2800

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2011 LEWIS, CA STATION NAME 23-01 YEAR MAY  
CLASS ALL WEATHER MONTH MAY  
CONDITION 71  
HOURS (LST) 71

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	11.6	7.4	1.3								23.5	5.5
NNE	1.1	1.1										1.5	4.2
NE	1.1											1.0	2.1
ENE	1.1											1.0	2.1
E	1.1											1.0	2.1
ESE	1.1											1.0	2.1
SE	1.1											1.0	2.1
SSE	1.1											1.0	2.1
S	1.1	1.1										1.0	2.1
SSW	1.1	1.1										1.0	2.1
SW	1.1	1.1										1.0	2.1
WSW	1.1	1.1	1.1									3.0	4.4
W	1.1	1.1	1.1									2.0	3.4
WNW	1.1	1.1	1.1									2.0	3.4
NW	1.1	1.1	1.1	1.1								17.1	6.1
NNW	1.1	1.1	1.1	1.1								27.1	7.0
VARB													
CALM												10.0	
	20.1	47.4	21.2	6.9								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1953-1957 MONTH MAY  
ALL WEATHER  
 HOURS (L & T) 0000-2300  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	7.0	7.0	0.0								6.7	4.0
NNE		7.0										7.0	4.0
NE		7.0										7.0	4.0
ENE		7.0										7.0	4.0
E													4.0
ESE		7.0										7.0	4.0
SE		7.0										7.0	4.0
SSE		7.0										7.0	4.0
S	1.0	1.0										2.0	2.0
SSW	1.0	1.0										2.0	2.0
SW	7.0	7.0										14.0	4.0
WSW	7.0	7.0										14.0	4.0
W	7.0	7.0										14.0	4.0
WNW	7.0	7.0										14.0	4.0
NW	7.0	7.0										14.0	4.0
NNW	7.0	7.0										14.0	4.0
VARBL													
CALM												4.7	
	7.0	7.0	7.0	7.0								28.0	4.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEWIS, CA STATION NAME 73-50 YEARS 1954 MONTH 1954  
 CLASS ALL WEATHER  
 HOURS (LST) 0000  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	0.0	0.0	1.0								1.0	1.0
NNE	1.0	0.0	0.0									0.0	1.0
NE	0.0	0.0	0.0									0.0	1.0
ENE	0.0	0.0										0.0	1.0
E		0.0										0.0	1.0
ESE	0.0	0.0										0.0	1.0
SE	0.0	0.0										0.0	1.0
SSE	0.0	0.0										0.0	1.0
S	0.0	0.0	0.0									0.0	1.0
SSW	0.0	0.0										0.0	1.0
SW	0.0	0.0										0.0	1.0
WSW	1.0	0.0										0.0	1.0
W	2.0	1.0										0.0	1.0
WNW	1.0	2.0	0.0	0.0	0.0							0.0	1.0
NW	2.0	0.0	7.0	1.0		0.0						0.0	1.0
NNW	1.0	2.0	11.0	6.0	1.0							0.0	1.0
VARBL													
CALM													
	17.0	16.0	27.0	8.0	1.0	0.0						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 311

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE YEARS: 1984

DATE: 11-11-84 HOUR: 1100

CONDITION: CLD

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		10.7	14.3	5.5								30.2	2.8
NNE	1.1	2.0	1.1									4.2	4.5
NE		1.1										2.2	7.4
ENE	1.1	1.1										2.2	7.4
E	1.1	1.1	1.1									3.3	6.4
ESE		1.1										1.1	4.3
SE		1.1										1.1	2.3
SSE		1.1										1.1	2.3
S	1.1	1.1	1.1									3.3	2.3
SSW	1.1											1.1	2.3
SW		1.1										1.1	3.5
WSW	1.1											1.1	2.3
W	1.1	1.1										2.2	3.5
WNW	1.1	1.1	1.1									3.3	5.7
NW	1.1	5.6	4.3	2.2		1.1						14.2	2.8
NNW	1.1	1.1	1.1	4.3	1.1	1.1						24.2	5.1
VARBL													
CALM												7.0	
	11.7	31.6	22.3	12.6	2.2	2.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 322

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 STATION NAME ASHEVILLE YEARS 1964-1965 MONTH 1  
CLASS ALL HOURS (L S T) 1  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	7	11	5								2.2	3.3
NNE	1	2	2	1								2.2	3.3
NE		1	1									2.2	3.3
ENE	1	1	1									2.2	3.3
E	1	1	1									2.2	3.3
ESE	1	1	1									2.2	3.3
SE												2.2	3.3
SSE												2.2	3.3
S	1	1	1									2.2	3.3
SSW	1	1	1									2.2	3.3
SW	1	1	1									2.2	3.3
WSW	1	1	1									2.2	3.3
W	1	1	1									2.2	3.3
WNW	1	1	1									2.2	3.3
NW	1	1	1	1	1	1	1	1	1	1	1	12.5	3.3
NNW	1	1	1	1	1	1	1	1	1	1	1	12.5	3.3
VARBL	1	1	1	1	1	1	1	1	1	1	1	12.5	3.3
CALM												3.3	
	17	27	32	11	1	1	1	1	1	1	1	12.5	3.3

TOTAL NUMBER OF OBSERVATIONS 111

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WIND

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEA WIN SPEED
N			1	1	1	1						4	2
NNE		2	2	1	1	1						7	2
NE		1	2									3	2
ENE	1	1										2	2
E				1								1	2
ESE			1									1	2
SE													2
SSE				1									2
S													2
SSW													2
SW													2
WSW				1								1	2
W												1	2
WNW												2	2
NW												7	2
NNW												2	2
VARBL													2
CALM												1	2

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

AD A150 439 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
TEMPERATURE CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND  
DETACHMENT ASHEVILLE NC AUG 84

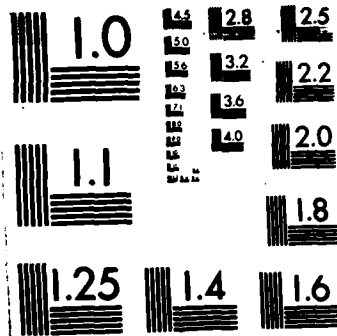
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
 16MOORE CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND  
 DETACHMENT ASHEVILLE NC AUG 84

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149



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 211 LEMORE, CA STATION NAME 73-82 YEARS MAY MONTH  
CLASS ALL WEATHER  
CONDITION 15 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	12.7	17.7	4.3	.3							43.5	7.1
NNE	1.3	2.3										3.7	4.2
NE	.4	1.3	.4	.3								2.9	5.4
ENE	.6	.3										1.0	3.3
E	1.5	1.0										2.9	3.5
ESE													
SE		.3		.3								.4	10.0
SSE													
S	.2											.3	3.0
SSW	.6											.6	1.5
SW		.3	1.0									1.3	7.8
WSW	.3	.3	.3	.3								1.3	7.5
W		1.0	.6	.3								1.9	7.3
WNW	.6	.3		.6								1.6	7.4
NW	.3	3.9	1.6	1.3								7.1	7.0
NNW	1.6	13.2	9.7	7.4	.3							32.3	7.8
VARBL													
CALM												.3	
	2.4	42.2	31.6	15.2	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27110 STATION LENOORE, CA STATION NAME 73-62 YEARS MAY MONTH  
ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	3.2	1.0	.3							7.4	7.7
NNE		.4										.4	5.5
NE													
ENE													
E		.6										.6	4.5
ESE	.1											.1	2.0
SE	.1	.3										.4	3.5
SSE	.1											.3	3.0
S		.6										.6	4.0
SSW	.1											.1	2.0
SW	.1											.1	2.0
WSW	.1	1.0	.1									.1	4.4
W	1.2	5.2	.6									8.4	4.3
WNW	1.4	11.3	4.5									17.4	5.3
NW	2.0	14.5	8.4	4.2								30.4	4.7
NNW	.4	10.7	12.9	5.8								29.4	7.8
VARB.													
CALM												1.3	
	10.3	46.5	10.0	11.4	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 23115 LENCORE, CA STATION NAME 73-82 YEAR MAY  
 ALL WEATHER  
 CLAS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.4	0.0	0.0	0.0	0.0						25.6	7.5
NNE	1.0	1.2	0.0	0.0	0.0	0.0						3.8	5.7
NE	0.7	0.4	0.4	0.0								1.7	6.9
NNE	0.6	0.4	0.0									1.3	3.3
E	0.7	0.5	0.1	0.0								1.6	3.9
ENE	0.5	0.2	0.0									0.7	3.3
SE	0.3	0.1		0.0								0.4	6.3
SSE	0.3	0.1	0.0	0.0								0.8	6.8
S	0.7	0.5	0.1									1.3	3.8
SSW	0.7	0.1	0.1									0.9	3.0
SW	0.7	0.4	0.2	0.0								1.3	4.4
WSW	1.1	0.6	0.1	0.1								2.1	6.1
W	1.7	2.5	0.3	0.0								6.8	6.2
WNW	1.7	0.0	1.8	0.2	0.0							7.8	5.0
NW	2.2	7.5	5.3	1.6	0.0	0.1						16.8	6.5
NNW	2.0	8.1	10.0	5.1	0.8	0.0						25.6	7.9
VARB													
CALM												4.5	
	17.5	36.1	28.0	11.8	0.9	0.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2880

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27111 LEMOORE, CA STATION NAME 73-92 YEARS JAN  
ALL WEATHER MONTH (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	7.1	1.0								10.1	6.1
NNE	1.0	1.0										2.0	3.7
NE	.2	.3										1.0	2.7
NNE	.7	.3										.7	3.5
E	.3	.7										.7	4.0
ESE	.3	.3										.7	3.5
SE													
ESE													
S	.7											.7	2.5
SSW	.3											.3	3.0
SW	.3	.3	.3									1.0	4.3
WSW	1.0		.7									1.3	4.3
W	2.0	1.7										3.7	3.7
WNW	1.7	3.0	.3									5.0	4.2
NW	4.0	11.3	6.3	3.7								24.3	6.4
NNW	2.3	17.0	12.7	3.0	.3							35.3	6.4
VARBL													
CALM												4.0	
	14.0	42.7	27.3	6.7	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110 STATION 23110 LEMORE, CA STATION NAME 23-62 YEARS 23-62  
JULY 1962  
ALL WEATHER CLASS  
F1H  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	5.7	2.7									9.0	5.2
NNE		3.7										3.7	3.0
NE		3.7										3.7	3.0
NNE	2.7	3.7										1.0	2.7
E	3.7											3.7	3.0
ESE													
SE		2.7										2.7	3.0
SSE	2.7	3.7										1.0	3.0
S	2.7	3.7										1.0	3.0
SSW	1.7	2.7										1.7	3.0
SW	1.7	3.7										2.0	2.3
WSW	1.7	1.7										3.0	2.9
W	2.7	3.7										10.7	3.1
WNW	4.0	9.7	1.7									15.7	4.4
NW	5.7	12.7	4.0	2.7								22.7	5.0
NNW	2.7	12.0	10.3	1.7								26.3	4.8
VARBL													
CALM												4.7	
	28.0	47.0	18.7	2.0								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME LEMON-EE, CA YEAR 73-82 MONTH JUN  
 ALL WEATHER  
 DIRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.3	5.0	10.0	2.0								19.3	7.3
NNE	1.7	.7										1.7	3.8
NE													
ENE	.7											.3	2.0
E		.7										.3	5.0
ESE	.7											.3	1.0
SE	.7	.7										.7	3.3
SSE													
S	.7											.3	1.0
SSW	.7	1.0										1.7	3.8
SW	.7		.7									1.0	6.3
WSW	.7											.7	2.8
W	1.3	3.0										6.3	3.6
WNW	2.7	8.0	.7									7.3	8.1
NW	1.0	11.0	8.0	1.7								21.7	6.7
NNW	2.7	7.7	15.0	5.3	.7		.3					31.7	8.2
VARBL													
CALM												6.7	
	14.0	23.0	34.7	8.0	.7		.3					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 LEMOORE, CA STATION NAME 73-82 YEARS JUN  
ALL WEATHER 17  
CLAS HOUS (L.S.T.)  
ORIGIN

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.3	7.7	9.3	3.7	1.0							26.0	7.3
NNE	1.3	3.3	1.0									5.3	4.8
NE	1.3	1.0	.3									2.7	4.5
NNE		.3										.3	4.0
E	2.0	.7										2.7	2.4
ESE	.7		.7									1.3	3.5
SE		1.0										1.0	5.3
SSE													
S													
SSW		.3		.3								.7	4.5
SW	.3											.3	3.0
WSW		.3										.3	5.0
W	2.0	.7	.3									3.0	3.6
WNW	2.3	8.0	.3									7.7	4.1
NW	2.7	6.0	4.3	.3	1.0							16.3	4.7
NNW	2.0	10.7	10.7	8.3	.3	.3						29.3	8.0
VARB													
CALM												3.0	
	18.7	37.0	29.0	9.7	2.3	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 100

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LENCORE, CA STATION NAME 33-02 YEARS JUN 1954  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	0.7	10.0	4.3	0.3							23.7	7.1
NNE	2.0	8.7	1.7									11.3	5.5
NE	1.0	2.7	1.0									4.7	4.7
ENE	1.0	2.0	0.3									3.3	4.2
E	1.0	2.3	0.7									4.0	4.6
ESE													
SE	0.7	0.3										1.0	3.0
SSE	0.1	0.3										0.7	3.0
S	0.3	0.3										0.7	3.5
SSW		0.3										0.3	5.0
SW	0.7	0.7		0.3								1.7	5.4
WSW	2.0	0.7	0.3		0.3							3.3	4.8
W	1.0	0.3										1.3	3.0
WNW	1.3	1.3	1.7									4.3	4.4
NW	2.0	2.3	3.3	1.7	0.3							10.3	7.0
NNW	2.3	6.0	8.3	1.7	0.7							19.0	7.4
VARB													
CALM												2.3	
	31.0	18.0	28.0	8.0	1.7							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23117 STATION LIMBORE, CA STATION NAME 23+82 YEARS JUN MONTH  
ALL WEATHER CLASS 15 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.7	1.0	8.3	1.3							16.3	8.8
NNE	1.3	8.0	8.0	1.0								16.3	6.8
NE	1.0	2.0	2.7	1.3								6.0	4.2
ENE	1.3	1.3	1.7									1.3	5.3
E	1.0	1.3	1.0									2.3	5.1
ESE													
SE													
SSE		1.3	1.3									1.7	5.5
S		1.3										1.3	4.0
SSW													
SW	1.3	1.3										1.3	2.5
WSW		1.3	1.7		1.3							1.3	9.6
W	1.7		1.3		1.3							1.3	7.5
WNW	1.3	1.0	1.3		1.3							2.0	7.8
NW	1.3	1.7	3.0	1.3								6.3	3.3
NNW	3.0	1.7	11.0	5.0	1.7	1.3						23.7	8.8
VARB.													
CALM												2.7	
	11.0	22.0	43.0	16.0	1.0	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27110 ELMOORE, CA STATION NAME 73-32 YEARS JAN  
ALL WEATHER 15  
CLASS HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	21.7	14.7	4.3								43.3	6.7
NNE	0.7	3.7	1.7	0.7								8.7	6.1
NE		0.7	1.7									1.0	6.7
ENE	1.0	1.0	0.3									2.3	3.2
E		1.7										1.7	5.3
ESE													
SE													
SSE													
S			0.7									0.7	9.0
SSW			0.7									0.7	7.0
SW			0.7									0.7	7.0
WSW			0.7	0.7								0.7	10.0
W	0.7	0.7	0.7	0.7								2.3	6.6
WNW		0.7	0.7									1.0	5.2
NW	0.7	1.3	1.3	1.3								6.7	7.0
NNW	2.3	11.3	10.0	6.7	1.7							36.3	7.6
VARB													
CALM												0.3	
	1.7	46.2	30.0	13.7	1.7							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 100

SNOS

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS 300

U.S. GPO 1984 741-348/201

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LENOIR, NC STATION NAME LENOIR YEARS 23-27 MONTH JUL  
ALL WEATHER HOUR OF DAY ALL  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.3	4.7	1.0	0.3							22.0	7.2
NNE	1.1	2.3	4.7	0.2	0.0							5.4	5.0
NE	0.0	0.0	0.0	0.0	0.0							0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0							1.2	4.0
E	0.0	0.0	0.0	0.0	0.0							1.0	4.0
ESE	0.0	0.0	0.0	0.0	0.0							0.0	4.3
SE	0.0	0.0	0.0	0.0	0.0							0.0	4.8
SSE	0.0	0.0	0.0	0.0	0.0							0.0	3.7
S	0.0	0.0	0.0	0.0	0.0							0.0	3.5
SSW	0.0	0.0	0.0	0.0	0.0							0.0	4.4
SW	0.0	0.0	0.0	0.0	0.0							1.0	3.3
WSW	0.0	0.0	0.0	0.0	0.0							1.7	5.1
W	2.7	1.4	0.2	0.0	0.0							4.5	5.9
WNW	0.0	0.0	0.0	0.0	0.0							7.7	4.6
NW	2.7	2.3	5.8	1.2	0.2							18.0	5.6
NNW	2.7	10.0	11.2	4.5	0.0	0.1	0.0					28.7	7.7
VARBL													
CALM												3.2	
	14.5	32.9	30.7	0.0	1.3	0.1	0.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2400

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 140000, CA STATION NAME 78-02 YEARS 1971  
ALL WEATHER  
 CLASS 11  
 HOURS (L.S.T.) 01  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								15.0	6.2
NNE		1.0										1.0	6.0
NE		1.0	1.0									2.0	5.8
ENE													
E													
ESE	1.0											1.0	2.0
SE													
SSE													
S		1.0										1.0	4.0
SSW	1.0											1.0	2.0
SW		1.0										1.0	4.0
WSW	1.0	1.0										2.0	3.0
W	1.0	1.0										2.0	2.0
WNW	1.0	1.0	1.0									3.0	4.0
NW	1.0	1.0	1.0	1.0								4.0	6.0
NNW	1.0	1.0	1.0	1.0								4.0	6.0
VARBL													
CALM												0.0	
	22.0	36.0	32.0	4.0								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 271 LEMONDE, CA STATION NAME 73-82 YEARS 74  
ALL WEATHER  
CONDITION  
0A  
NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	.6									4.5	4.5
NNE	.3											.3	2.0
NE													
ENE	.3	.3										.6	3.5
E													
ESE													
SE													
SSE													
S	1.4	.3										1.2	2.9
SSW	1.0	1.0										2.9	2.8
SW	2.6	1.3										3.9	3.1
WSW	3.2	1.0										5.2	3.1
W	5.1	4.1										11.9	3.8
WNW	7.5	11.3	1.1									18.1	4.2
NW	4.2	18.8	3.5	.6								23.2	5.2
NNW	2.8	2.4	5.2	.6								18.1	5.5
VARBL													
CALM												8.7	
	29.4	50.0	10.6	1.3								100.2	4.1

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2111 LENOORE, CA STATION NAME 13-42 YEAR JUL  
ALL WEATHER MONTH 77  
ELMS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	4.0	0.0		0.7						8.7	7.8
NNE	0.0	0.3										1.0	3.3
NNE	0.5											0.3	3.0
E		0.3										0.3	4.0
ESE	0.3											0.3	2.0
SE		0.3										0.3	4.0
SSE													
S													
SEW													
SW	1.7	0.0										1.9	2.8
WSW	1.0	1.3										2.3	8.1
W	2.3	4.2										6.5	3.9
WNW	4.5	10.0	3.2									18.4	8.7
NW	2.5	16.5	15.0									29.4	5.8
NNW	4.2	11.0	9.7	2.3								27.1	6.2
VARBL													
CALM												3.5	
	12.4	47.1	27.7	2.9		0.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 21111 LE MOORE, CA STATION NAME 11-82 YEARS 111  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	13.4	11.7	1.5								11.5	6.0
NNE	1.0	3.2	.6									5.5	4.4
NE	.4	.7										1.0	3.7
ENE	1.0	.3	.1									1.4	4.4
E	1.2		.6									2.4	3.5
ESE													
SE	.1											.3	2.0
SSE		.1										.3	6.0
S	.6											.4	2.5
SSW	.1		.1									.4	6.5
SW													
WSW	.4	.3										1.0	3.3
W	1.4	1.9										3.5	3.4
WWW	1.0	4.0	1.0									6.4	4.9
NW	2.4	4.1	4.2	.3								15.2	5.4
NNW	2.3	4.4	11.0	2.3								24.8	6.9
VARBL													
CALM												3.9	
	21.1	41.3	29.0	4.5								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 110

8808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2711 LEMOORE, CA STATION NAME 73-22 YEARS 1961  
ALL WEATHER MONTHS 13  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.0	1.1	1.6	1.1							27.4	6.8
NNE	1.1	5.3	1.6	1.6								10.6	5.3
NE	1.0	1.6	1.1									1.9	4.2
NNE	1.1	1.6										2.9	3.8
E	1.1	1.9	1.1									2.9	4.9
ESE	1.1	1.0	1.1									1.6	4.6
SE	1.0	1.1										1.3	2.8
SSE	1.1											1.3	2.0
S	1.1											1.6	2.0
SSW	1.1	1.1										1.6	2.0
SW	1.1	1.1	1.1									1.3	5.0
WSW	1.1	1.1	1.1	1.1								1.6	5.6
W	2.2	1.1	1.1									6.5	3.8
WNW	1.1	5.3	1.1									8.8	5.2
NW	2.0	4.5	1.1	1.6								11.6	5.9
NNW	2.2	8.1	5.5	1.6								17.7	6.5
VARB													
CALM												2.6	
	21.7	44.5	24.8	4.8	1.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 271 LEMORE, CA STATION NAME 73-82 YEARS 111 MONTH 16  
ALL WEATHER CLASS HOUR (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	10.6	21.0	6.8	.3							40.6	7.8
NNE	1.0	3.0	6.8	3.2								14.8	7.8
NE	.6	4.7	3.0	.4								9.8	6.6
ENE	.6	1.8	1.0									3.2	5.5
E	.6	1.7	1.6									3.5	6.4
ESE		.3										.3	6.0
SE	.3											.3	2.0
SSE	.3											.3	3.0
S													
SSW													
SW													
WSW				.3								.3	16.0
W		.3	.3									.6	6.5
WNW		1.0	1.0									1.9	6.7
NW		3.2	1.6									4.8	6.2
NNW	1.3	6.1	8.1	3.2								18.7	7.8
VARB													
CALM												1.0	
	4.6	32.4	46.1	13.2	.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 110

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2411 LEMOORE, CA STATION NAME YS-82 YEAR 1981 MONTH 10

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	11.4	15.5	1.9								32.4	6.6
NNE	1.1	2.1	0.6									3.7	5.3
NE	0.4	1.0	1.0									2.4	5.1
NNE	0.5											0.5	3.0
E	0.1	0.1		0.1								0.1	2.0
ESE	0.1											0.1	2.0
SE													
SSE		0.1		0.1								0.6	8.5
S	0.2											0.3	3.0
SSW													
SW	0.1		0.1									0.6	6.0
WSW	0.1	0.1										0.6	3.5
W	0.6		0.6	0.1								1.6	6.8
WNW	2.4	2.2	0.6									6.1	3.9
NW	1.9	5.2	3.5	1.0								14.2	5.8
NNW	4.6	12.4	14.8	2.8	0.1							35.5	6.7
VARBL													
CALM												0.1	
	11.4	17.1	32.1	6.8	0.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 LEMOORE, CA STATION NAME 23-80 YEAR JUL  
ALL WEATHER  
27  
NOON (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE												3.2	7.1
NE													
NNE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW												1.3	5.3
W												1.9	4.2
WNW												6.1	3.6
NW												17.4	5.8
NNW												42.8	7.8
VARBL												24.5	8.4
CALM												2.6	
	5.1	42.4	21.0	15.5	2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 LEMOORE, CA STATION NAME 73-82 YEARS JUL  
ALL WEATHER ALL  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	7.2	9.1	1.6	.1	.0						20.5	6.8
NNE	.7	2.1	1.2	.5								4.6	6.1
NE	.4	.8	.7	.1								1.9	5.8
ENE	.5	.5	.2									1.1	4.4
E	.4	.5	.2	.0								1.3	5.2
ESE	.2	.2	.1									.8	3.9
SE	.2	.1										.3	2.7
SSE	.1	.1		.0								.2	5.6
S	.4	.1										.5	2.8
SSW	.4	.2	.0									.6	1.4
SW	.6	.4	.1									1.2	3.8
WSW	.2	.8	.0	.1								1.8	4.0
W	2.3	2.7	.2	.0								5.1	1.7
WNW	2.6	6.3	1.3	.0								10.2	6.7
NW	2.9	10.2	4.5	1.6								21.1	6.1
NNW	2.2	9.6	9.8	2.7	.1							25.1	6.8
VARB													
CALM												3.6	
	17.9	41.7	28.9	6.7	.2	.0						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2880

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEAR 1983 ALL DAY ALL DAY  
 ALL WEATHER ALL WEATHER HOUR (L.S.T.) 01  
 CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	7.7	1.1	0.3								11.0	5.0
NNE	0.1											0.3	2.0
NE	0.1		0.1									0.4	5.5
NNE													
E	0.1											0.4	1.5
ESE													
SE	0.1											0.3	2.0
SSE													
S	0.1	0.1										0.4	3.0
SSW	0.1	0.1										0.4	3.5
SW	1.1	0.1										1.0	3.0
WSW	1.1	0.1										1.0	2.0
W	3.1	1.0										3.5	3.0
WNW	3.0	0.5	1.0									4.5	4.3
NW	4.5	13.5	6.1	3.1								28.6	5.8
NNW	1.1	17.4	7.8	3.1								30.3	5.4
VARS													
CALM												9.4	
	22.1	47.4	14.1	4.4								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 910

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 211 LEMOORE, CA STATION NAME 71-32 YEARS 1950 1951  
CLASS ALL WEATHER ON 1950  
CONDITION 1951

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	.6									4.2	8.6
NNE	.5											.3	2.0
NE		.2										.2	4.0
ENE													
E													
ESE													
SE	.6	.3										1.0	2.7
SSE	.6											.6	2.0
S	1.2		.3									1.6	3.2
SSW	1.3	1.0										3.2	3.8
SW	1.6	.6			.3							2.6	4.5
WSW	5.8	1.8										7.7	2.8
W	5.2	2.0										18.2	3.7
WNW	4.1	0.8	1.0									17.8	4.3
NW	4.5	11.0	5.8	.3								21.6	5.2
NNW	2.6	7.1	2.8									12.6	5.2
VARB													
CALM												12.6	
	71.3	48.5	11.6	.3	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 110

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME 77-87 YEARS 1956  
ALL WEATHER MONTH 07  
CONDITION HOURS (L E T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	2.4	.3								7.8	5.2
NNE	.7	1.0										1.7	3.5
NE	.3											.7	3.0
ENE													
E													
ESE													
SE	.7	.3										.6	4.0
SSE													
S	1.0	.3										1.6	2.4
SSW	1.0											1.0	2.3
SW	.7											.6	2.0
WSW	.7	1.3										1.0	3.0
W	2.4	4.1										15.5	3.1
WNW	2.7	10.6	2.3									14.1	4.6
NW	3.0	11.4	8.4									23.5	5.7
NNW	1.0	3.1	7.4	1.6								10.1	4.6
VARBL													
CALM												8.4	
	27.1	41.6	21.0	1.9								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

2805



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 STATION NAME LEHIGH, PA YEARS 73-82 MONTH ALL  
CLASS ALL WEATHER  
CONDITION   
HOURS (L S T) 10

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	13.3	7.7	2.3	.3							30.3	6.2
NNE	.6	7.2	.1									4.5	4.2
NE	.6	1.3										1.2	4.0
ENE	.6	.3										1.0	2.7
E	.3	.6	.3									1.3	4.3
ESE	.3											.1	2.2
SE		.2										.3	4.0
SSE													
S	1.7											1.1	2.3
SSW		.6	.5									1.0	5.3
SW	.3											.3	2.0
WSW	1.1	.3										1.7	3.3
W	2.3	.6	.6									3.2	3.6
WNW	1.0	4.5	2.6	.3								4.4	5.6
NW	1.8	7.4	7.4	.3								16.5	6.3
NNW	2.6	11.3	8.1	1.9								22.9	6.3
VARBL													
CALM												5.2	
	17.1	42.9	29.7	4.6	.7							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1964-1965 MONTH 12

CLASS ALL WEATHER

CONDITION

HOURE (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.0	1.0							5.0	4.3
NNE	1.0	1.0	2.0									5.0	4.3
NE	1.0	1.0	2.0									5.0	4.3
ENE	1.0	2.0	3.0									5.0	4.3
E	1.0	1.0	2.0									5.0	4.3
ESE	1.0	1.0	2.0									5.0	4.3
SE	1.0	1.0	2.0									5.0	4.3
SSE	1.0	1.0	2.0									5.0	4.3
S	1.0	1.0	2.0									5.0	4.3
SSW	1.0	1.0	2.0									5.0	4.3
SW	1.0	1.0	2.0									5.0	4.3
WSW	1.0	1.0	2.0									5.0	4.3
W	1.0	2.0	3.0									5.0	4.3
WNW	1.0	1.0	2.0									5.0	4.3
NW	1.0	1.0	2.0									5.0	4.3
NNW	1.0	1.0	2.0									5.0	4.3
VARBL													
CALM												3.0	
	1.0	1.0	2.0	1.0	1.0							5.0	4.3

TOTAL NUMBER OF OBSERVATIONS 417

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 104351 CA STATION NAME 73-10 YEARS 1961-1962 AUC 10  
111 FEATHED CLASS 12 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.0	4.5								36.0	7.7
NNE	1.0	7.0	3.0	3.0								19.0	5.6
NE	1.0	3.0	3.0									8.1	5.9
ENE	1.0	2.0	1.0									5.3	5.6
E	1.0	1.0	1.0									2.6	4.2
ESE												3.0	3.0
SE			3.0	3.0								10.0	2.0
SSE													
S		1.0	3.0									4.0	6.0
SSW				3.0								4.0	6.5
SW		3.0		3.0								6.0	8.0
WSW	1.0	3.0										1.3	2.6
W		3.0										3.0	8.0
WNW		1.0	1.0									1.0	5.7
NW	3.0	1.0	1.0	4.0								8.5	7.1
NNW		1.0	1.0	1.0								16.5	7.6
VARBL													
CALM												1.0	
	6.0	17.0	14.0	8.1								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEAR 1967 MONTH ALL

CONDITION ALL WEATHER

STATION ASHEVILLE, NC YEAR 1967 MONTH ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.0	2.0								27.0	5.5
NNE		1.0	2.0									1.0	4.5
NE		1.0										0.0	3.5
ENE		1.0										0.0	6.0
E												0.0	1.5
ESE			2.0									1.0	5.0
SE			2.0									0.0	5.0
SSE													
S												0.0	1.0
SSW												0.0	2.0
SW												0.0	2.0
WSW													
W		1.0	1.0									2.0	5.7
WNW		1.0	1.0									7.7	4.5
NW		1.0	2.0	1.0								21.0	4.6
NNW		1.0	1.0	1.0	1.0							32.0	5.3
VARBL													
CALM												1.0	
	21.0	11.0	10.0	2.0	1.0							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 CHEROKEE, GA STATION NAME CHEROKEE YEARS 1962 MONTH ALL  
ALL WEATHER  
 CLAS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	1.7	1.7								6.1	5.2
NNE													
NE													
ENE													
E													
ESE	1.7		1.7									6.1	5.2
SE	1.7											6.1	5.2
SSE													
S													
SSW		1.7										6.1	5.2
SW	1.7											6.1	5.2
WSW	1.7	1.7										12.2	10.4
W	3.4	3.4										24.4	20.8
WNW	1.7	10.4	4.1									17.1	15.5
NW	5.2	21.6	17.1	1.7								41.0	30.9
NNW	1.7	2.7	8.6	1.7								22.6	17.2
VARBL													
CALM												2.6	
	10.4	48.0	24.8	4.1								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2001 LEWIS, CA STATION NAME 21-82 YEARS ALL  
ALL ALL  
ALL ALL  
ALL ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.5	6.6	1.2	0.1							18.0	4.3
NNE	0.1	2.0	1.7	0.1								4.8	5.7
NE	0.1	0.1	0.1									1.0	5.0
ENE	0.2	0.1	0.2									1.2	5.1
E	0.1	0.1	0.1									0.6	3.5
ESE	0.1	0.1	0.2									0.6	3.8
SE	0.1	0.2	0.1	0.1								0.6	4.9
SSE	0.2	0.1										0.2	3.2
S	0.1	0.1	0.1									1.0	3.6
SSW	0.1	0.1	0.1	0.0								1.0	4.0
SW	0.1	0.2		0.2	0.0							0.8	3.9
WSW	1.5	0.8										2.3	3.1
W	1.2	3.1	0.2									4.4	3.5
WNW	2.5	6.2	1.0	0.1								10.7	4.8
NW	3.3	11.0	5.8	0.6								21.3	5.6
NNW	2.6	10.8	6.7	1.8	0.1							21.9	6.3
VARBL													
CALM												5.9	
	20.3	45.9	24.2	8.0	0.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2880

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 LEMOORE, CA STATION NAME 23-22 YEAR SEP  
ALL WEATHER MONTH 01  
SLASH HOUR (LST) 01  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	5.7	1.7	1.0								11.1	5.6
NNE	1.0	1.0										2.0	3.5
NE	.7	.7										.7	3.0
NNE	.7	.7										.7	3.0
E	.7	.7	.1									1.7	4.7
ESE	.7	.7										1.0	4.0
SE	1.3											1.3	2.5
SSE	.7											.7	2.5
S	.7	.7										1.3	3.5
SSW	1.3	.3										1.7	2.7
SW	.7	.3	.3									1.3	4.3
WSW	3.3	1.3										4.7	2.7
W	5.0	3.3	.7									9.0	3.7
WNW	1.3	4.3	1.0	.3								9.0	4.7
NW	4.7	11.3	5.3	.7								21.7	5.3
NNW	5.0	8.7	3.0	1.3								18.0	5.7
VARBL													
CALM												14.0	
	28.7	42.0	12.0	3.3								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME 23-22 YEARS SEP  
MONTH 30  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	17.0	40.0	8.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2211 1 MOORE, CA STATION NAME 13-82 YEARS SEP  
ALL WEATHER SOUTH  
CLASS 07  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	0.7									3.7	4.0
NNE	0.7	0.3										0.7	4.0
NE	0.7											0.7	2.0
NNE	1.0	0.3										1.3	3.0
E	0.7											0.7	2.0
ESE	0.7	0.3										0.3	5.0
SE	0.7	0.7										1.3	4.0
ESE	1.0		0.3									1.3	3.3
S	1.3		0.7									2.0	3.8
SSW	2.0											2.0	1.5
SW	0.7	1.3										2.0	3.8
WSW	1.0	2.7										3.7	3.5
W	2.0	5.3	0.3									13.7	3.8
WNW	4.7	8.7	2.3									15.7	4.5
NW	1.7	4.3	6.3	0.7								19.0	5.7
NNW	1.3	4.0	4.3	1.0								10.7	6.5
VARB													
CALM												20.0	
	10.3	13.0	15.0	1.7								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 100

SNOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 LA MOORE, CA STATION NAME 73-83 YEAR 1984 SFB 10  
DATE 10 MONTH 10 YEAR 1984  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	2.7	2.7								24.3	4.1
NNE	2.7	1.3	.3									4.3	3.8
NE	.3	.3										1.0	3.7
ENE	1.3	.3										2.3	3.3
E	2.7	.3	.3									3.3	3.0
ESE	.7	1.3	.3									2.0	3.8
SE	1.3	.3										2.0	2.7
SSE	.3	.3										.7	3.0
S	1.3	.3	.3									2.7	4.8
SSW	.7	.3	.3									1.7	4.4
SW	.3											.3	2.0
WSW	.3											.3	2.0
W	.3	.3	1.3									2.3	4.4
WNW	1.3	1.3	1.3									4.7	4.8
NW	.3	2.7	4.7	2.0								8.7	4.0
NNW	1.3	10.0	11.7	5.0	1.0							11.0	7.4
VARBL													
CALM												5.3	
	21.7	13.3	28.7	8.0	1.0							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 211 LEMOORE, CA STATION NAME 12-82 YEARS SEP  
MONTH 13  
HOURS (L.S.T.) 13  
ALL WEATHER CLASS  
OBSERVATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.0	1.7	.3							25.7	7.3
NNE	1.0	1.3	1.0									8.3	4.8
NE	1.0	2.7	.3									4.0	4.3
ENE		.7	.3									1.0	4.0
E	3.7	2.3	.3									6.3	3.6
ESE	2.0	1.0										3.0	2.7
SE	.7		.7									1.0	5.3
SSE	.7	.7	.7									1.7	6.6
S	.7		1.0									1.7	5.8
SSW		.3										.3	4.0
SW	.7	.3										1.0	3.0
WSW		.3										.3	4.0
W	1.0	2.7										3.7	3.5
WNW	2.3	2.0	.7									5.0	4.8
NW	1.3	4.0	1.7	1.0								10.0	6.7
NNW	1.0	8.7	6.0	2.3								20.0	6.6
VARB													
CALM												7.0	
	20.7	40.3	24.7	7.0	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LIMBONE, CA STATION NAME 73-22 YEARS SEP  
ALL WEATHER MONTH 1A  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	11.7	18.7	8.3								37.0	7.7
NNE	1.3	8.0	6.7	2.0								18.7	5.6
NE	.7	2.7	2.0									5.3	4.1
ENE	1.7	2.7	1.3									5.7	4.5
E	.7	2.0	1.0									3.7	4.5
ESE	.3	1.3										1.7	4.0
SE	.7	.3	.3									1.0	5.3
SSE	.7	.3										.7	2.5
S													
SSW	.3											.3	2.0
SW		.3	.3									.7	4.1
WSW	.7		.3	.3								1.0	5.0
W	.7		.3	.3								1.0	4.7
WNW		1.0		.3								1.3	4.0
NW	.7	1.3	1.0	.3								3.0	7.3
NNW	1.3	3.3	7.3	3.0								17.0	7.7
VARBL													
CALM												2.3	
	10.7	17.7	18.7	10.7								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 211 LIMBONE, CA STATION NAME 21-82 YEARS SEP  
MONTH 19  
HOURS (LST) 19  
CLASS ALL - FATHOM  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	10.7	2.7	0.3								22.3	4.1
NNE	0.0	0.0										0.7	3.5
NE	0.0	0.0											
ENE	0.0	0.0										1.0	3.3
E	1.7	0.7										2.3	3.1
ESE	0.0	0.0										0.7	5.5
SE	0.0		0.0									0.3	1.0
SSE	0.0	0.0										0.3	5.0
S	0.0	0.0										0.3	1.0
SSW			0.0	0.3								0.7	5.0
SW		0.0	0.0	0.3								1.7	2.4
WSW	0.0	0.0	1.0	0.7								2.3	4.3
W	0.0	1.7										4.3	3.3
WNW	1.0	5.0	0.0	0.3								7.3	5.4
NW	4.0	12.3	2.7	0.3								18.0	5.0
NNW	6.0	15.7	5.0	0.3								27.0	5.0
VARBL													
CALM												9.7	
	20.7	48.0	13.0	2.7								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1977-78 MONTH ALL

CLASS ALL WEATHER

CONDITION ALL

HOURLY (L.S.T.) 22

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.0	1.3								3.3	5.3
NNE		1.7	1.0									7.7	7.5
NE													
ENE	1.0											7.7	5.0
E	1.0	1.7										7.7	4.5
ESE	1.0	1.7										7.7	3.5
SE	1.0	1.7										7.7	2.5
SSE	1.0	1.7											
S	1.0	1.7	1.0									1.3	4.8
SSW	1.0	1.7	1.0									1.7	3.0
SW	1.0	1.7	1.0									2.0	4.2
WSW	1.0	1.7	1.0									1.3	3.8
W	1.0	1.7	1.0									1.3	3.4
WNW	1.0	1.7	1.0	1.3								1.3	5.0
NW	1.0	1.7	1.0	1.3	2.0							2.2	4.4
NNW	1.0	1.7	1.0	1.3	2.0							1.3	4.8
VARBL													
CALM												6.7	
	1.0	4.7	2.2	5.0								1.0	5.0

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 211 LEHIGH, PA STATION NAME 211 YEARS 1950-52 MONTH ALL

ALL FAVORABLE ELAB ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	6.5	5.2	1.5								16.5	6.2
NNE	1.0	2.2	1.0									4.5	5.5
NE												1.0	4.8
ENE	1.2											1.0	3.8
E	1.2											2.0	3.7
ESE												1.2	3.6
SE												1.1	3.4
SSE													4.2
S	1.2											1.7	3.5
SSW												1.5	3.4
SW												1.7	4.3
WSW	1.0											2.0	4.0
W	4.0	3.6										8.1	3.8
WNW	2.6	6.0	1.3									10.7	4.7
NW	2.6	6.8	4.5									16.7	5.6
NNW	2.0	7.8	5.6	2.0								18.7	6.6
YARL													
CALM												9.7	
	24.8	40.5	20.2	5.3								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1140000 STATION NAME 71-32 YEARS 1961 MONTH 11

NAVAL WEATHER SERVICE  
CLASS 11 HOURS (L & T) 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	1.0								3.0	1.0
NNE		1.0	1.0									2.0	1.0
NE		1.0	1.0									2.0	1.0
ENE		1.0	1.0									2.0	1.0
E	1.0	1.0										2.0	1.0
ESE	1.0	1.0										2.0	1.0
SE	1.0	1.0										2.0	1.0
SSE	1.0	1.0										2.0	1.0
S	1.0	1.0	1.0	1.0	1.0							5.0	1.0
SSW	1.0	1.0	1.0									3.0	1.0
SW	1.0	1.0	1.0									3.0	1.0
WSW	1.0	1.0	1.0									3.0	1.0
W	1.0	1.0	1.0	1.0								4.0	1.0
WNW	1.0	1.0	1.0	1.0								4.0	1.0
NW	1.0	1.0	1.0	1.0								4.0	1.0
NNW	1.0	1.0	1.0	1.0								4.0	1.0
VARBL													
CALM												24.0	
	5.0	4.0	3.0	3.0	1.0							16.0	1.0

TOTAL NUMBER OF OBSERVATIONS 21

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1950-52 MONTH 01  
CLASS ALL WEATHER  
CONDITION   
HOURS (LST) 24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	1.0									3.3	4.0
NNE												0.1	4.0
NE												0.3	5.0
ENE												0.3	5.0
E													
ESE													
SE	1.0	0.3	0.0									1.3	3.4
SSE	1.0	1.0	0.3									4.3	2.8
S	1.0	1.0	0.0	0.3								6.3	4.6
SSW	1.0	0.0										1.0	2.7
SW	1.0	1.0	0.3									5.0	3.3
WSW	1.0	1.3										5.3	3.1
W	0.0	0.0										13.0	3.2
WNW	1.0	4.0	0.0									10.0	3.6
NW	1.0	0.0	1.0									11.0	4.6
NNW	1.0	2.3	1.0	1.0								6.3	5.2
VARBL													
CALM												27.4	
	13.1	27.4	6.3	1.3								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1961-1962 DISTRICT NO. 1

CLASS ALL WEATHER HOURS (L & T) 07

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	1.0	1.0								6.0	4.9
NNE	1.0											1.0	5.0
NE		1.0										1.0	5.0
ENE													
E	1.0	1.0										2.0	2.6
ESE	1.0		1.0									2.0	3.6
SE	2.0	1.0	1.0									4.0	3.4
SSE	1.0	1.0										2.0	2.9
S	1.0	1.0										2.0	2.3
SSW		1.0	1.0									2.0	4.5
SW			1.0									1.0	2.1
WSW		1.0										1.0	2.8
W	1.0	1.0	1.0									3.0	2.7
WNW	1.0	1.0	1.0									3.0	3.6
NW	1.0	1.0	1.0									3.0	3.7
NNW	1.0	1.0	1.0									3.0	5.3
VARBL													
CALM												10.7	
	4.0	4.0	4.0	4.0								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 379

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE YEARS 1961 NORTH 001

CLASS ALL WEATHER

CONDITION

NOVEMBER 1961

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	22.7	25.2	21.0	8.7	1.0	0.6	0.0	0.0	0.0	0.0	0.0	100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME 71-43 YEARS 1967  
ALL WEATHER  
13  
HOURLY (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	0.7	0.2	1.0								18.4	6.2
NNE	2.5	1.2	1.0									7.1	4.8
NE	2.0	1.6										4.2	3.1
NNE	2.0	1.3										4.2	3.1
E	1.0	1.0										4.8	2.6
ESE	1.0	2.3	0.4	0.3								4.8	4.7
SE	0.5	1.3	0.3									1.9	5.2
SSE	2.7	1.2	0.4									4.6	4.1
S	1.0	1.0	1.0	0.6								3.5	6.9
SSW		0.4	0.3	0.3								1.3	6.6
SW	0.4	0.1	0.3									1.3	3.5
WSW	0.4	0.3										0.6	3.0
W	1.0	1.0										1.9	3.3
WNW	1.0	1.0	0.3									2.2	4.0
NW	2.7	2.6	3.4	1.6								10.0	7.1
NNW	1.0	4.6	3.9	3.2	1.0	0.3						14.2	9.1
VARBL													
CALM												13.9	
	21.7	12.9	16.1	8.1	1.0	0.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2711 LEMOORE, CA STATION NAME 23-27 YEAR 1967  
ALL WEATHER CLASS 16  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.7	12.4	3.5	.3							29.8	7.5
NNE	1.3	7.7	4.2	.6								14.5	5.9
NE	2.5	3.3										6.5	3.9
ENE	1.3	2.5										4.5	4.4
E	2.6	3.2	1.3	.3								7.4	5.0
ESE	.7	1.2	1.0									2.6	6.1
SE	1.4											1.6	2.0
SSE	.7	.3										.4	4.0
S	.3											.3	2.0
SSW		.7		.6								1.0	10.3
SW			.3									.4	10.0
WSW	.4		.7									1.0	8.7
W		.6	1.7									1.3	7.0
WNW	.3	.3										.6	4.5
NW	.6	1.4	1.3		.3	.3						4.2	6.5
NNW	2.9	4.5	4.9	2.3	.3							14.5	7.2
VARBL													
CALM												8.7	
	12.0	35.2	27.0	8.4	1.0	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME 73-82 YEARS 0-7  
MONTH 10  
ALL WEATHER ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.0	2.0	0.0	0.0								20.0	3.6
NNE	1.0	1.0										2.0	2.1
NE	1.0	1.0										2.0	3.3
ENE	1.0	1.0										1.0	3.2
E	1.0	1.0										1.0	3.0
ESE	1.0	1.0										1.0	3.4
SE	0.0		0.0									1.0	4.0
SSE	0.0		0.0									1.0	4.0
S	0.0	0.0	0.0	0.0	0.0							1.0	5.3
SSW	0.0	0.0	0.0	0.0								1.0	5.3
SW	0.0	0.0										1.0	4.3
WSW	1.0	0.0	1.0	1.0								3.0	7.2
W	1.0	2.0										3.0	3.5
WNW	1.0	1.0	0.0									2.0	4.5
NW	2.0	5.0	0.0	0.0								11.0	4.4
NNW	5.0	2.0	1.0	1.0								17.0	5.0
VARBL													
CALM												21.0	
	11.7	17.7	4.0	3.0	0.0							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 110

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2011 STATION 100000, CA STATION NAME 11-82 YEARS OCT NORTH  
ALL WEATHER CLASS 22 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.3	.4	.7								2.4	5.8
NNE		.7	.7									.6	6.0
NE													
ENE		.1	.7									.6	6.5
E		.1										.1	4.0
ESE		.1										.3	5.0
SE		.4		.2								.6	9.5
SSE			.7									.3	7.0
S	.7	1.7	.1									1.9	5.3
SSW	.5	.6	.6	.3								1.9	6.8
SW	1.2	1.9	.7									4.2	7.8
WSW	4.5	3.5	.6	.3								9.4	8.0
W	11.3	7.1	.3									18.7	3.2
WNW	7.4	11.9	1.0									20.3	8.0
NW	4.2	7.7	3.5	1.4								17.1	5.7
NNW	1.7	2.4	4.2	1.0								8.7	7.1
VARB													
CALM												12.3	
	52.6	34.7	12.6	3.9								100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME 73-42 YEARS OCT  
ALL WEATHER MONTH ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.0	7.4	1.2	.1							13.8	6.6
NNE	1.7	1.0	.8	.1								3.6	4.6
NE	1.7	.8	.6									2.1	3.8
ENE	.6	.7	.1									1.7	3.5
E	1.6	.8	.2	.3								2.6	3.5
ESE	.6	.8	.4	.3								2.3	4.4
SE	1.1	.6	.2	.1								2.1	3.9
SSE	1.7	.7	.2									2.1	3.7
S	1.2	.3	.5	.3	.1							2.9	6.7
SSW	.9	.5	.7	.2								1.5	5.0
SW	1.7	.4	.2									2.6	3.3
WSW	2.1	1.6	.2	.2								4.2	3.7
W	5.2	2.0	.7	.0								8.5	3.2
WNW	3.5	3.4	.5	.0								7.7	3.9
NW	2.1	5.0	2.4	.6	.1	.1						11.3	5.7
NNW	2.7	4.2	3.3	1.0	.2	.1						12.3	6.9
VARBL													
CALM												19.3	
	22.3	30.0	11.3	4.7	.4	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2879

2808



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1. MOORE, CA STATION NAME 73-32 YEARS NOV  
MONTH 31  
HOURS (LST) 01  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	0.7									2.7	4.1
NNE	0.7											1.0	4.0
NE	0.7											0.7	2.6
ENE	0.7											0.7	2.6
E	1.7	1.7										3.4	2.9
ESE	1.7	1.7	0.7									4.1	1.7
SE	2.0	2.3	1.7									6.0	4.3
SSE	1.7	1.7			0.7							3.0	5.3
S	1.7		0.7	0.3	0.7							2.0	6.8
SSW	1.7	0.7										1.7	3.2
SW	1.7	1.7		0.3								2.3	5.0
WSW	1.7	1.7	0.3									5.0	3.2
W	2.0	3.3										10.3	3.0
WNW	1.7	2.7	0.3									6.0	3.3
NW	2.3	2.3	2.3	0.3								7.3	5.9
NNW	2.3	1.3	1.3	0.7								7.7	6.9
VARB													
CALM												36.3	
	31.7	20.8	9.7	1.7	0.3							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEMOORE, CA STATION NAME 73-57 YEARS 1941-1957 MONTH ALL

CLASS ALL WEATHER HOURS (L.S.T.) 0000-2300

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3		.3								1.0	6.0
NNE	.4	.3	.2									1.0	5.7
NE													
ENE		.2										.3	6.0
E	1.7	1.7										3.4	3.5
ESE	2.7	.7	1.0									4.3	4.2
SE	2.0	1.3	.7									4.0	4.2
SSE	1.7	2.3	.3									4.3	3.8
S	2.7	1.0	.7	.3								5.7	4.2
SSW	.7	1.3		.3								2.3	4.7
SW	1.7	1.7										3.3	3.8
WSW	1.7	1.7		.3								5.7	3.5
W	5.7	4.0										9.7	3.8
WNW	2.0	1.3	.3									5.0	3.5
NW	1.0	4.0	1.0	.7								9.7	4.8
NNW	.7	2.7	2.3	.3								6.0	4.3
VARBL													
CALM												15.0	
	11.3	35.0	6.7	2.3								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS 299

U.S. GPO 1984 741:348/201

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LEWIS, CA STATION NAME LEWIS, CA YEARS 1964 MONTH NOV  
1964 DATE 11 HOUR (LST) 17  
 CLAS 1  
 CONDITION 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	3.7	1.4	0.3							13.0	7.0
NNE	1.7	1.7	0.3									3.7	6.1
NE	1.4	0.3										1.7	2.4
ENE	1.4	0.7										2.0	2.3
E	1.7	1.4	1.7	0.7								5.7	5.5
ESE	1.7	1.4	1.7									5.1	3.9
SE	1.7	1.7	1.7	0.7								8.1	4.9
SSE	1.7	2.7	1.4	1.4								2.5	4.6
S	1.7	1.4	0.7									2.7	4.4
SSW	1.7	0.7										2.0	2.3
SW	0.7	0.6										0.7	1.0
WSW	0.7											0.7	2.1
W	1.4		0.7									1.7	3.4
WNW	0.7	1.4	0.7									2.4	4.3
NW	1.4	1.4	1.7	2.0	0.3							8.1	4.1
NNW	2.0	2.4	3.7	2.7	0.3							12.2	7.8
VARBL													
CALM												23.4	
	25.7	20.2	18.0	2.4	1.0							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 256

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0								12.7	5.5
NNE	1.0	1.0	1.0									6.0	3.8
NE	1.0	1.0	1.0									2.7	4.3
ENE	1.0	1.0	1.0									3.0	2.8
E	1.0	1.0	1.0									7.7	1.1
ESE	1.0	1.0	1.0		1.0							4.7	5.5
SE	1.0	1.0	1.0	1.0								7.7	5.5
SSE	1.0	1.0	1.0	1.0								4.7	7.2
S	1.0	1.0	1.0	1.0								3.7	4.3
SSW	1.0	1.0	1.0	1.0								1.7	5.3
SW	1.0	1.0	1.0	1.0								1.0	4.7
WSW				1.0								1.0	15.0
W	1.0	1.0										1.5	3.5
WNW	1.0	1.0	1.0	1.0								2.3	5.1
NW	1.0	1.0	1.0	1.0								5.7	6.3
NNW	1.0	1.0	1.0	1.0	1.0							13.4	7.1
YARBL													
CALM												14.6	
	27.1	27.1	17.7	17.7	1.3							176.2	5.6

TOTAL NUMBER OF OBSERVATIONS 229

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		5	7	7								2	4.3
NNE		4	1	7								2	4.3
NE		2	2									1	1.3
ENE		2										1	1.3
E		1										1	1.3
ESE	1	1	2	2								3	5.7
SE		1	2	2	3							4	7.0
SSE		1	2	2								1	1.3
S													
SSW					2							1	1.3
SW													
WSW													
W			2	2								1	1.3
WNW		1										1	1.3
NW	1	2	2	2								4	7.0
NNW	2	1	2	2	3							12	5.0
VARBL													
CALM												17	
												100	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_  
CONDITION \_\_\_\_\_  
HOURS (L S T) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									3.0	3.0
NNE	1.0	1.0										1.0	2.0
NE	1.0	1.0										1.0	2.0
ENE		1.0										1.0	2.0
E		1.0		1.0								3.0	3.0
ESE		1.0	1.0									3.0	3.0
SE	1.0	1.0										3.0	3.0
SSE	1.0	1.0										4.0	3.0
S	1.0	1.0	1.0	1.0	1.0							5.0	3.0
SSW			1.0									1.0	3.0
SW												1.0	3.0
WSW	1.0	1.0		1.0								3.0	3.0
W	1.0	1.0	1.0									3.0	3.0
WNW	1.0	1.0										4.0	3.0
NW	1.0	1.0	1.0									11.0	3.0
NNW	1.0	1.0	1.0	1.0								8.0	3.0
VARBL													
CALM												35.0	
	30.0	22.0	2.0	1.0	1.0							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 229

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1967 NO. 22  
CLASS ALL WEATHER HOURS (L.S.T.) 2000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												2.0	1.7
NNE												0.7	1.5
NE												0.3	2.0
ENE												1.0	3.7
E												1.0	5.7
ESE												2.7	2.5
SE												3.3	4.9
SSE												2.3	4.3
S												4.3	5.0
SSW												4.3	3.8
SW												4.0	4.0
WSW												4.7	7.3
W												13.0	3.7
WNW												5.7	3.6
NW												14.0	5.3
NNW												4.0	6.3
VARBL													
CALM												25.0	
	3.0	24.0	7.0	2.7	0.3							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LOW MEADOW STATION NAME 73-01 YEARS NDV  
 CLASS ALL WEATHER HOURS (L & T) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	0.1	1.0	0.0							4.7	5.8
NNE	1.0	1.2	0.5	0.0								3.4	4.1
NE	0.0	0.0	0.1									1.5	3.4
ENE	0.0	0.0	0.0									1.0	3.3
E	0.0	1.3	0.4	0.1								3.8	3.5
ESE	1.4	1.0	0.0	0.0	0.0							4.1	4.1
SE	2.0	1.2	0.7	0.4	0.0							4.9	5.1
SSE	1.0	1.6	0.7	0.7	0.1							4.6	5.0
S	2.2	0.0	0.6	0.7	0.0							3.2	4.9
SSW	1.0	0.2	0.0	0.1	0.0							2.1	4.3
SW	1.0	0.6	0.1	0.1								1.8	3.6
WSW	2.1	1.3	0.1	0.0								3.6	3.9
W	2.7	2.2	0.0									5.8	3.5
WNW	2.2	1.6	0.4	0.1								4.4	3.9
NW	0.0	3.4	1.7	0.7	0.1							8.4	5.7
NNW	2.2	3.1	2.3	1.4	0.2							9.1	6.4
VARBL													
CALM												24.5	
	31.1	24.2	10.7	4.4	0.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2390

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2001 1140000 STATION NAME 11-22 YEAR DEC  
ALL WEATHER 51  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.6										1.8	3.2
NNE	1.1	.3										1.4	2.6
NE													
ENE	.6	.3										1.0	3.7
E	2.2	1.3	.6									4.1	3.9
ESE	2.6	2.6	1.0									7.1	4.6
SE	2.2	2.1	.6	.3								6.5	4.4
SSE	2.2	1.3		.6	.3							4.5	5.8
S	2.1	2.6	.3	.3								6.3	4.4
SSW	1.0	.3										2.3	3.4
SW	1.6	.3										1.9	2.5
WSW	2.3	1.0			.3							3.6	4.6
W	.5	1.0										5.5	2.4
WNW	1.2	1.0	.3	.6								4.2	5.7
NW	2.1	5.6	1.0	.3								9.0	5.1
NNW	1.0	1.6	.6	.3								3.4	5.3
VARBL													
CALM												36.5	
	11.3	23.5	5.5	2.4	.6							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 111

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2111 LEMOORE, CA STATION NAME 72-97 YEARS DEC  
CLASS ALL WEATHER MONTH 78  
COBITION 78  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.2	.7								4.2	4.0
NNE	.4	1.0										1.4	4.0
NE	.7											.3	2.2
ENE	.2											.4	3.0
E	1.2	1.7										3.2	3.1
ESE	2.0	2.2	.5									6.1	4.3
SE	2.6	2.6	1.2	.7	.7							7.7	5.9
SSE	3.5	2.3	.6									6.5	3.6
S	3.5	1.0		.3								4.8	3.3
SSW	2.7		.7									2.6	2.8
SW	2.3	.6										2.9	2.8
WSW	1.1	1.6										2.6	3.4
W	2.9	3.2	.3									6.4	3.6
WNW	2.6	1.6	.7									4.5	3.6
NW	1.2	1.2	1.3	1.6								6.4	6.6
NNW	1.0	1.2	1.6	.3								4.8	5.8
VARBL													
CALM												34.2	
	31.3	23.5	7.7	2.9	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 311

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2-11 LIMCOLF, CA STATION NAME 23-85 YEARS DEC  
ALL WEATHER 07  
CLAS HOURLY (L.E.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	.3	.3								4.5	4.0
NNE	.7	1.3										1.6	4.0
NE													
ENE	.6	.3										1.0	2.7
E	2.6	1.3	.7									4.2	3.1
ESE	2.0	1.6	2.7	.6								7.4	5.3
SE	2.4	1.0	2.6									7.1	5.2
SSE	2.2	1.4	1.1									5.4	4.2
S	1.2	1.0										5.6	3.1
SSW	1.3	.3	.3									1.9	3.2
SW	1.4	.3										1.9	2.3
WSW	1.3	1.4										2.3	3.4
W	2.3	1.0	.3									4.5	3.4
WNW	1.3	1.3	.3									2.3	4.0
NW	2.3	1.0	1.3		.3							4.6	5.7
NNW	1.7	2.4	1.0	.3								5.2	5.2
VARBL													
CALM												39.7	
	26.4	20.6	9.7	1.3	.3							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LINDSEY, GA STATION NAME 73-82 YEARS DEC  
ALL WEATHER NORTH  
CLAS 10  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	2.3	1.0	.3							6.1	2.3
NNE	.5			.3								1.0	6.0
NE		.5										.6	5.0
ENE	.2	.3										.6	3.0
E	2.5	1.6	.6									5.4	3.3
ESE	2.5	3.2	1.6	.3								7.4	4.7
SE	5.2	3.2	1.6	.6								10.6	4.8
SSE	2.6	3.9	1.6	.6	.3							9.0	5.7
S	1.2	4.5	1.6	.6								8.7	5.6
SSW	1.2	.3										1.6	2.2
SW	.3		.2									.6	5.5
WSW	.5											.6	1.5
W	1.0											1.0	2.0
WNW	1.0	.2	.6									2.3	4.0
NW	1.6	1.1	1.6	1.3	.3	.2						6.4	8.1
NNW	.6	2.3	1.2	2.3		.3						7.4	8.9
VARB													
CALM												20.7	
	23.2	24.5	13.2	7.1	1.0	.6						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 211 ASHEVILLE, NC STATION NAME 27-47 YEARS DEC  
ALL WEATHER 11  
CONDITON HOURLY (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.5	5.5	2.3	1.3	0.3							14.5	5.3
NNE	1.0	2.3	1.0									4.5	5.0
NE	2.0	0.3	0.3									3.5	2.7
ENE	1.0	0.3	0.3									2.3	4.0
E	5.0	2.3	0.3									8.1	3.2
ESE	7.0	2.0	1.0		0.3							8.7	4.0
SE	2.0	4.2	1.0	0.3								8.1	4.5
SSE	2.0	1.3	0.3	1.0	0.3							5.2	6.3
S	1.0	1.0	1.0	1.0								4.2	7.0
SSW	0.3	0.3										1.0	4.3
SW	0.3	0.3	0.3	0.3								1.3	7.0
WSW													
W	1.0	0.3										1.6	3.0
WNW	0.3			0.3								1.0	5.0
NW	0.3	1.3	1.0		1.3	0.3						4.5	10.6
NNW	1.5	2.3	1.0	1.0	0.6							10.6	8.7
VARBL													
CALM												20.3	
	11.4	25.5	11.3	4.1	3.2	0.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 2011 LEMOORE, CA STATION NAME 23-27 YEARS DEC  
ALL WEATHER  
CLASS  
CONDITION  
1A  
HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	7.2	2.0	1.0	.3							14.7	5.6
NNE	2.6	2.0	1.0	.3								5.5	4.7
NE	1.0	.3	.3									1.6	4.6
ENE	1.0	1.0	.2									2.2	4.1
E	1.0	2.0	.3									3.2	3.7
ESE	3.6	2.4	.7	.7	.3							4.1	5.4
SE	1.0	1.3		.3								4.9	3.7
SSE	2.0	.3	1.0									3.3	4.3
S	1.6	1.0	.3									2.9	4.2
SSW	.3											.3	2.0
SW	.7	.3		.3								1.3	5.5
WSW	.3	.7										1.0	3.3
W		.7	.3	.3								1.3	7.5
WNW	.7	1.6	.3									2.6	5.0
NW	2.0	.7	.3	.3		.7						3.6	6.5
NNW	2.3	2.8	3.3	2.0	.3							10.7	7.5
VARBL													
CALM												29.6	
	26.7	25.1	10.1	5.2	1.0	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 107

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 111 LOCATION LAURENS, SC STATION NAME 27-42 YEARS DEC  
ALL WEATHER CLASS 10  
 CONDITION HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	0.7									4.2	3.7
NNE	1.0	0.3										1.3	2.0
NE	1.0	1.0										2.0	3.1
ENE	0.7	1.0										1.7	4.3
E	2.0	0.4	0.7									3.0	2.6
ESE	2.0	1.4	0.7	0.3								5.8	3.7
SE	2.0	1.0	0.7		0.6							5.5	4.2
SSE	2.0	2.0	0.6	0.3								7.8	4.6
S	3.0	2.0	1.0									7.1	4.1
SSW	1.0	1.0		0.3								2.3	4.7
SW	0.4	1.3	0.3									2.3	4.9
WSW	0.7		1.0									1.7	7.0
W	2.0	1.0										4.0	3.1
WNW	1.0	2.2	1.0									6.1	4.4
NW	1.0	5.2	0.6	0.4	0.3	0.7						9.1	6.3
NNW	1.0	3.2	1.3									6.1	5.1
VARBL													
CALM												29.8	
	20.6	30.4	7.1	1.6	1.0	0.7						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 109

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-11-000-1A STATION NAME 72-22 YEARS 0-10  
CLASS SEA WEATHER HOURS (LST) 22  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										1.0	3.5
NNE	1.0											1.0	2.0
NE	1.0	1.0										1.0	3.5
ENE													
E	1.0	1.0										2.0	3.5
ESE	1.0	1.0	1.0	1.0								5.0	5.0
SE		2.0	1.0	1.0	1.0							4.0	7.0
SSE	2.0	2.0	1.0	1.0								6.0	4.5
S	2.0	3.0	1.0									7.0	4.0
SSW	1.0	1.0										2.0	3.5
SW	2.0	1.0										5.0	3.0
WSW	1.0	1.0										6.0	2.0
W	6.0	5.0	1.0									12.0	3.0
WNW	1.0	3.0	1.0									5.0	4.0
NW	1.0	3.0	1.0	1.0	1.0							6.0	4.0
NNW	1.0	1.0	2.0	1.0								5.0	4.0
VARBL													
CALM												25.0	
	12.7	12.0	7.0	2.0	1.0	1.0						110.7	3.0

TOTAL NUMBER OF OBSERVATIONS 309

8806

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LMDC-6, CA STATION NAME 17-10 YEARS DEC  
ALL CLIMATE ALL  
ELAS HOURLY (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.7	1.0	.5	.1							6.6	5.4
NNE	1.0	.4	.7	.1								2.2	4.1
NE	.1	.1	.1									1.2	3.4
ENE	.1	.0	.1									1.2	3.0
E	2.7	1.5	.3									4.6	3.3
ESE	3.1	2.4	1.1	.3	.1							7.0	4.0
SE	2.4	2.5	1.2	.3	.7							6.2	5.0
SSE	2.4	2.2	.7	.4	.1							6.1	4.9
S	2.6	2.6	.6	.3								5.2	4.6
SSW	1.2	.5	.1	.0								1.8	3.3
SW	1.4	.4	.1	.1								2.2	3.7
WSW	1.2	.7	.1		.0							2.2	3.4
W	2.6	1.4	.2	.3								4.2	3.3
WNW	1.7	1.7	.5	.1								3.4	4.5
NW	1.7	2.4	1.1	.6	.3	.2						6.4	6.7
NNW	1.4	2.3	1.2	1.2	.1	.0						6.7	7.0
VARBL													
CALM												70.7	
	22.1	25.7	9.1	3.6	1.0	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 2475

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000000 STATION NAME FAIRFORD YEARS 1957-58 MONTH ALL  
CLASS ALL HOURS (L & T) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	1.1	1.7	1.2	1.1						18.7	2.7
NNE	1.1	1.5	1.2	1.2	1.1							3.1	2.7
NE	1.1	1.4	1.1	1.1	1.1							1.1	4.3
ENE	1.1	1.1	1.1	1.1	1.1							1.1	3.1
E	1.1	1.1	1.1	1.1	1.1							2.7	3.1
ESE	1.1	1.1	1.1	1.1	1.1							2.7	4.1
SE	1.1	1.2	1.1	1.2	1.1							3.1	5.1
SSE	1.1	1.1	1.1	1.1	1.1							3.1	5.1
S	1.1	1.1	1.1	1.1	1.1	1.1						3.4	5.2
SSW	1.1	1.1	1.1	1.1	1.1	1.1						1.1	4.1
SW	1.1	1.1	1.1	1.1	1.1	1.1						1.1	4.1
WSW	1.1	1.1	1.1	1.1	1.1	1.1						2.7	4.1
W	1.1	2.1	1.1	1.1	1.1	1.1						6.1	5.1
WNW	1.1	1.1	1.1	1.1	1.1	1.1						6.1	4.1
NW	1.1	1.1	1.1	1.1	1.1	1.1	1.1					13.1	4.1
NNW	1.1	1.1	1.1	1.1	1.1	1.1	1.1					16.1	2.1
VARBL													
CALM												14.1	
	24.1	34.1	18.1	1.1	1.1	1.1	1.1					100.1	4.1

TOTAL NUMBER OF OBSERVATIONS 29196

SMOS

## SURFACE WINDS

[illegible]

TOTAL NUMBER OF OBSERVATIONS

**SMOS**

NOCd, Federal Building  
Asheville, N. C.

## PART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{5}{16}$	$\geq \frac{1}{8}$	$\geq 0$
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

71-12

YEARS

JAN

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	7.0	71.3	24.1	29.2	34.4	72.8	38.4	39.7	40.7	41.0	43.2	43.2	44.4	44.4	45.2
≥ 20000	7.0	72.3	27.4	31.7	34.5	77.4	40.7	41.6	42.7	43.3	45.2	45.2	47.1	47.1	47.9
IV 18000	7.0	72.3	27.4	31.7	36.5	77.4	40.7	41.6	42.7	43.3	45.2	45.2	47.1	47.1	47.9
IV 16000	7.0	72.3	27.4	31.7	36.5	77.4	40.7	41.6	42.7	43.3	45.2	45.2	47.1	47.1	47.9
IV 14000	7.0	72.3	27.4	31.7	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 12000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 10000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 9000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 8000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 7000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 6000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 5000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 4500	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 4000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 3500	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 3000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 2500	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 2000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 1800	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 1500	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 1200	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 1000	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 900	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 800	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 700	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 600	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 500	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 400	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 300	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 200	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 100	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1
IV 0	7.0	72.3	27.4	32.9	37.1	78.4	41.7	42.9	43.6	44.2	46.5	46.5	48.4	48.4	49.1

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
STATION

LOCATION, CA

STATION NAME

PERIOD

YEARS

DIRECTION  
DIRECTION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	7.4	19.4	23.5	24.6	30.7	30.8	32.8	33.5	33.6	35.2	36.7	36.9	37.7	39.7	41.0
≥ 20000	9.4	20.1	24.5	27.1	31.3	31.3	34.5	35.5	35.8	37.4	38.7	39.0	41.3	41.3	44.5
IV 18000	9.4	20.1	24.5	27.1	31.3	31.3	34.5	35.5	35.8	37.4	38.7	39.0	41.3	41.3	44.5
IV 16000	9.4	20.1	24.5	27.1	31.3	31.3	34.5	35.5	35.8	37.4	38.7	39.0	41.3	41.3	44.5
IV 14000	9.4	20.1	24.5	27.1	31.3	31.3	34.5	35.5	35.8	37.4	38.7	39.0	41.3	41.3	44.5
IV 12000	9.4	20.1	24.5	27.1	31.3	31.3	34.5	35.5	35.8	37.4	38.7	39.0	41.3	41.3	44.5
IV 10000	10.7	22.9	26.1	28.7	34.9	35.0	38.1	40.0	40.3	42.3	43.6	43.9	46.1	46.1	49.4
IV 9000	10.7	22.9	26.1	28.7	34.9	35.0	38.1	40.0	40.3	42.3	43.6	43.9	46.1	46.1	49.4
IV 8000	11.0	24.3	28.3	32.6	37.1	37.3	40.3	42.0	43.2	45.2	46.5	46.9	49.2	49.2	52.7
IV 7000	11.0	24.3	28.3	32.6	37.1	37.3	40.3	42.0	43.2	45.2	46.5	46.9	49.2	49.2	52.7
IV 6000	11.0	24.3	28.3	32.6	37.1	37.3	40.3	42.0	43.2	45.2	46.5	46.9	49.2	49.2	52.7
IV 5000	11.0	24.3	28.3	32.6	37.1	37.3	40.3	42.0	43.2	45.2	46.5	46.9	49.2	49.2	52.7
IV 4500	12.0	26.7	31.9	37.1	41.0	42.6	45.2	47.4	48.1	50.0	51.3	51.6	53.0	53.0	56.5
IV 4000	12.0	26.7	31.9	37.1	41.0	42.6	45.2	47.4	48.1	50.0	51.3	51.6	53.0	53.0	56.5
IV 3500	12.0	26.7	31.9	37.1	41.0	42.6	45.2	47.4	48.1	50.0	51.3	51.6	53.0	53.0	56.5
IV 3000	12.0	26.7	31.9	37.1	41.0	42.6	45.2	47.4	48.1	50.0	51.3	51.6	53.0	53.0	56.5
IV 2500	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 2000	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 1800	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 1500	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 1200	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 1000	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 900	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 800	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 700	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 600	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 500	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 400	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 300	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 200	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 100	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8
IV 0	14.0	34.2	40.0	43.6	48.4	49.4	52.3	54.5	55.2	57.4	58.7	59.0	61.3	61.3	64.8

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

1000000, 04

STATION NAME

72-42

YEARS

JAN

MORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	15.6	17.7	19.4	21.0	21.9	24.2	26.1	28.0	27.7	28.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 20000	16.1	18.1	19.7	21.3	22.3	24.5	26.5	27.1	28.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 18000	16.1	18.1	19.7	21.3	22.3	24.5	26.5	27.1	28.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 16000	16.1	18.1	19.7	21.3	22.3	24.5	26.5	27.1	28.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 14000	17.4	19.4	21.0	22.4	23.4	25.8	27.7	28.4	30.0	31.3	31.6	32.3	32.3	32.3	32.3	32.3
IV 12000	17.4	19.4	21.0	22.4	23.4	25.8	27.7	28.4	30.0	31.3	31.6	32.3	32.3	32.3	32.3	32.3
IV 10000	19.7	21.6	23.2	25.2	26.1	28.7	31.0	31.4	33.9	35.5	35.8	36.4	36.4	36.4	36.4	36.4
IV 9000	19.7	21.6	23.2	25.2	26.1	28.7	31.0	31.4	33.9	35.5	35.8	36.4	36.4	36.4	36.4	36.4
IV 8000	21.6	23.6	25.2	27.4	28.4	31.0	33.2	34.7	36.8	36.7	39.0	40.0	40.0	40.0	40.0	40.0
IV 7000	21.6	23.6	25.2	27.4	28.4	31.0	33.2	34.7	36.8	36.7	39.0	40.0	40.0	40.0	40.0	40.0
IV 6000	22.3	24.7	26.1	28.4	29.4	32.6	34.6	35.8	38.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0
IV 5000	24.5	27.1	28.7	31.0	32.6	35.8	38.1	39.0	42.3	44.5	44.8	44.8	44.8	44.8	44.8	44.8
IV 4500	26.5	28.7	29.7	32.6	33.6	36.8	39.0	40.0	43.2	45.5	45.8	45.8	45.8	45.8	45.8	45.8
IV 4000	26.5	28.7	29.7	32.6	33.6	36.8	39.0	40.0	43.2	45.5	45.8	45.8	45.8	45.8	45.8	45.8
IV 3500	27.7	31.6	33.6	36.8	36.5	39.7	42.6	43.6	46.8	49.7	51.9	52.3	52.3	52.3	52.3	52.3
IV 3000	29.7	34.2	37.4	39.4	42.6	45.5	46.5	49.7	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 2500	31.0	36.1	39.4	41.6	44.8	47.7	48.7	52.3	54.5	54.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 2000	31.0	36.1	39.4	41.6	44.8	47.7	48.7	52.3	54.5	54.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 1800	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 1500	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 1200	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 1000	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 900	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 800	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 700	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 600	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 500	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 400	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 300	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 200	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 100	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0
IV 0	32.3	37.4	40.7	43.2	47.4	50.3	51.3	54.8	57.7	58.1	59.0	59.0	59.0	59.0	59.0	59.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

CEILING

STATION NAME

YEARS

YEARS

BORTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOUS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.2	17.9	19.7	21.0	22.7	25.4	28.1	29.8	30.1	32.0	32.4	32.7	32.7	32.7	32.7	32.7
≥ 20000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	36.9	36.9	37.5
IV 18000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 16000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 14000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 12000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 10000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 9000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 8000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 7000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 6000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 5000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 4500	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 4000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 3500	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 3000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 2500	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 2000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 1800	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 1500	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 1200	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 1000	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 900	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 800	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 700	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 600	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 500	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 400	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 300	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 200	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 100	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5
IV 0	13.1	20.7	22.7	23.3	25.9	29.1	32.7	33.7	34.3	36.3	36.6	36.9	36.9	37.2	37.2	37.5

TOTAL NUMBER OF OBSERVATIONS 209

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
2711

STATION NAME  
LINCOLN, GA

STATION NAME

YEARS  
17-19

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ 0
NO CEILING	12.7	17.5	19.1	21.7	26.0	30.4	32.4	33.7	33.7	32.7	34.3	34.7	34.3	34.3	34.3
≥ 20000	12.7	17.5	22.0	24.6	31.1	35.9	37.9	38.8	38.8	40.1	40.5	40.5	40.5	40.5	40.5
≥ 18000	12.7	20.4	22.7	25.6	31.1	35.9	39.2	41.1	41.1	41.4	41.5	41.5	41.5	42.1	42.1
≥ 16000	12.7	20.4	22.7	25.6	31.1	35.9	39.2	41.1	41.1	41.5	41.5	41.5	41.5	42.1	42.1
≥ 14000	12.7	20.4	23.3	26.2	31.7	36.6	39.5	42.3	42.3	42.4	42.7	42.7	42.7	43.7	43.7
≥ 12000	12.7	22.3	24.3	27.8	34.1	39.2	42.7	45.0	45.7	45.3	45.6	45.6	45.6	46.7	46.7
≥ 10000	14.7	23.3	26.2	29.2	35.9	41.1	44.7	46.9	46.9	47.3	47.6	47.6	47.6	47.9	47.9
≥ 9000	14.7	24.1	26.7	30.4	36.6	41.3	45.6	47.9	47.9	48.2	48.5	48.5	48.5	48.9	48.9
≥ 8000	14.7	25.6	28.7	32.3	38.3	43.2	47.4	50.5	50.7	50.7	51.1	51.1	51.1	51.5	51.5
≥ 7000	15.3	26.2	29.1	32.7	38.5	44.7	49.2	51.8	51.9	52.1	52.4	52.4	52.4	52.8	52.8
≥ 6000	16.7	27.3	30.1	33.7	40.5	45.3	50.2	52.8	52.8	52.8	53.4	53.4	53.4	53.7	53.7
≥ 5000	16.7	27.8	31.7	34.3	41.4	46.9	51.1	54.1	54.4	54.7	55.7	55.7	55.7	55.3	55.3
≥ 4500	16.7	28.3	31.1	34.6	41.7	46.9	51.5	54.4	54.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 4000	16.7	30.7	34.7	37.5	44.3	50.2	55.3	58.3	58.6	58.9	59.7	59.7	59.7	59.6	59.6
≥ 3500	16.7	31.7	35.0	38.5	46.3	52.1	56.6	59.6	59.9	60.2	60.5	60.5	60.5	60.5	60.5
≥ 3000	16.7	34.0	37.2	40.9	49.5	54.4	59.9	62.1	62.5	62.6	63.1	63.1	63.1	63.4	63.4
≥ 2500	19.1	35.3	38.8	42.4	51.1	57.0	61.5	64.7	65.1	65.4	65.7	65.7	65.7	66.0	66.0
≥ 2000	19.1	36.3	41.2	44.3	53.7	59.6	64.7	68.0	68.3	68.6	68.9	68.9	68.9	69.3	69.3
≥ 1800	21.7	37.5	42.1	45.6	55.7	60.8	66.0	69.3	69.6	69.9	70.2	70.2	70.2	70.6	70.6
≥ 1500	21.4	34.5	44.3	48.5	57.0	63.8	69.9	72.5	72.8	73.1	73.5	73.5	73.5	73.8	73.8
≥ 1200	21.4	36.8	44.3	49.2	60.5	66.7	71.8	75.4	75.7	76.1	76.4	76.4	76.4	76.7	76.7
≥ 1000	21.7	37.2	44.7	49.5	61.8	68.3	73.8	77.7	78.0	78.3	78.6	78.6	78.6	79.2	79.2
≥ 900	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 800	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 700	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 600	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 500	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 400	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 300	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 200	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 100	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2
≥ 0	22.3	39.5	45.3	49.8	62.8	69.6	75.7	79.9	80.2	80.5	80.9	80.9	80.9	81.2	81.2

TOTAL NUMBER OF OBSERVATIONS 179

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

LORRAINE, GA

STATION NAME

1955

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.7	24.7	27.9	27.1	30.2	40.1	43.0	47.4	43.4	43.4	47.4	43.4	47.4	47.4	47.4	47.4
IV 20000	14.7	25.3	32.7	35.3	44.7	46.7	47.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 18000	14.7	25.3	32.7	35.3	44.7	46.7	49.9	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 16000	14.7	25.3	31.1	35.6	44.7	46.3	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 14000	14.7	25.3	31.4	35.3	45.5	47.3	51.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 12000	15.7	27.3	32.4	37.2	46.6	49.5	53.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 10000	17.7	29.3	34.4	39.5	49.8	53.7	57.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 9000	17.7	29.3	33.0	37.8	50.5	54.4	59.3	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 8000	18.7	31.4	36.3	41.3	52.4	57.3	61.2	62.2	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	18.7	32.7	37.5	43.5	53.7	58.3	63.5	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 6000	18.7	33.7	38.5	44.1	54.7	59.3	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 5000	19.7	33.7	39.7	44.3	55.7	60.2	64.4	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4500	19.7	34.7	40.8	45.6	57.5	61.5	65.7	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4000	19.7	36.4	42.3	46.5	58.9	64.4	66.4	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3500	19.7	37.7	44.5	49.9	61.3	65.7	69.3	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 3000	19.7	41.1	47.3	53.1	64.4	69.3	73.5	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	20.7	41.1	47.6	53.4	65.1	70.2	74.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 2000	20.7	41.8	48.5	54.4	66.7	71.3	76.1	77.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1800	20.7	41.8	48.5	54.4	66.7	71.3	76.1	77.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1500	20.7	42.7	49.8	56.3	68.9	74.4	79.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 1200	20.7	42.7	50.2	56.3	69.6	75.4	80.3	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 1000	20.7	42.7	50.2	56.6	70.3	76.1	81.2	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 900	20.7	42.7	50.2	56.6	70.3	76.4	82.5	84.4	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 800	20.7	42.7	50.2	56.6	70.3	76.4	82.5	84.4	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 700	20.7	42.7	50.2	57.0	71.2	77.7	84.3	86.3	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 600	20.7	42.7	50.2	57.0	71.5	78.3	85.3	90.9	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	20.7	42.7	50.2	57.0	72.7	79.3	86.7	92.9	93.7	93.5	93.9	93.9	93.9	93.9	93.9	93.9
IV 400	20.7	42.7	50.5	57.3	72.5	79.9	87.7	94.5	94.8	95.5	95.4	95.8	95.8	95.8	95.8	95.8
IV 300	20.7	42.7	50.5	57.3	72.5	80.3	88.0	95.5	95.8	96.8	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	20.7	42.7	50.5	57.3	72.5	80.3	88.0	95.5	95.8	96.8	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	20.7	42.7	50.5	57.3	72.5	80.3	88.0	95.5	95.8	96.8	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	20.7	42.7	50.5	57.3	72.5	80.3	88.0	95.5	95.8	96.8	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

199

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 2211 STATION NAME LITTLE ROCK, AR 77-02 YEARS MONTH 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS 11.5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.7	25.0	31.0	37.4	47.0	45.0	47.4	51.0	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	17.7	27.4	34.0	41.0	47.0	51.0	51.0	53.0	50.0	57.1	50.7	50.7	50.7	50.7	50.7	50.7
IV 18000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 14000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 9000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 8000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 7000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 6000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 4500	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 4000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 3500	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 3000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 2500	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 2000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 1800	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 1500	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 1200	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 1000	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 900	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 800	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 700	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 600	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 500	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 400	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 300	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 200	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 100	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7
IV 0	12.0	20.4	24.0	31.0	47.0	51.0	53.0	50.0	57.1	51.0	50.7	50.7	50.7	50.7	50.7	50.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

MONTH

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	1.0	11.2	24.3	37.7	50.2	64.1	78.4	90.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2,77

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 12 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
≥ 20000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 18000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 16000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 14000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 12000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 10000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 9000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 8000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 7000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 6000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 5000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 4500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 4000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 3500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 3000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 2500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 2000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 1000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 900	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 700	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 600	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 400	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 300	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 100	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0
IV 0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
≥ 20000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 18000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 16000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 14000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 12000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 10000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 9000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 8000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 7000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 6000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 5000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 4500	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 4000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 3500	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 3000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 2500	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 2000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 1800	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 1500	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 1200	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 1000	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 900	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 800	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 700	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 600	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 500	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 400	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 300	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 200	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 100	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0
IV 0	17.7	23.4	26.0	29.0	30.1	32.1	34.3	37.9	40.7	42.3	43.5	45.7	48.1	49.1	50.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	14.7	25.7	26.7	31.5	35.1	37.0	41.1	44.3	44.7	44.7	45.4	45.4	45.4	45.4	45.7
≥ 20000	14.7	25.7	32.3	34.1	37.4	44.7	47.1	50.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 18000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 16000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 14000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 12000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 10000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 9000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 8000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 7000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 6000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 5000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 4500	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 4000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 3500	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 3000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 2500	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 2000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 1800	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 1500	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 1200	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 1000	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 900	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 800	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 700	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 600	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 500	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 400	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 300	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 200	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 100	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1
IV 0	14.7	25.7	32.3	34.7	39.4	44.7	47.7	51.7	51.1	51.1	51.1	51.1	51.1	51.1	52.1

TOTAL NUMBER OF OBSERVATIONS

252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME: YEARS: MONTH: HOURS (L.S.T.):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	17.3	32.4	33.2	34.2	41.5	47.7	43.3	43.5	43.7	32.2	30.5	28.5	27.5	26.7	25.7	25.7
≥ 20000	17.3	36.1	37.7	43.6	44.5	53.7	55.9	56.9	56.7	57.7	58.2	58.2	58.0	58.0	58.7	58.7
IV 18000	17.3	36.7	39.7	45.5	57.2	54.5	54.6	57.7	57.7	54.6	58.7	58.7	58.7	58.7	54.7	57.7
IV 16000	17.3	37.1	39.7	45.5	57.5	54.7	56.9	56.8	54.7	57.7	59.1	59.1	59.1	54.1	59.1	59.1
IV 14000	17.3	40.1	40.7	45.7	57.3	56.6	59.1	67.1	67.1	67.9	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	17.3	40.2	43.4	50.7	55.7	59.4	61.8	63.3	63.7	63.7	64.1	64.1	64.1	64.1	64.1	64.1
IV 10000	17.3	42.4	45.6	53.0	57.3	61.9	64.4	65.5	65.7	65.2	66.6	66.6	66.6	66.6	66.6	66.6
IV 9000	17.3	42.7	45.9	53.7	58.7	62.6	65.1	66.2	66.2	66.9	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	17.3	44.7	47.4	56.2	60.5	65.1	67.6	68.7	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 7000	17.3	44.3	47.8	55.3	63.7	68.3	70.5	71.5	71.5	72.2	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	17.3	46.6	57.5	57.4	64.4	69.8	72.2	73.3	73.3	74.0	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	17.3	49.1	53.5	61.9	66.9	72.2	74.7	75.8	75.8	76.5	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	17.3	51.2	54.3	64.4	69.8	74.7	77.2	78.3	78.3	78.9	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000	17.3	52.3	57.2	65.5	71.3	76.5	79.0	80.1	80.1	80.8	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	17.3	53.4	57.7	67.3	72.9	77.9	80.4	81.4	81.4	82.6	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	17.3	55.2	57.9	67.8	75.1	80.4	83.3	84.3	84.3	85.1	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500	17.3	56.2	61.8	71.9	77.9	83.3	86.5	87.5	87.5	88.3	88.6	88.6	88.6	88.6	88.6	88.6
IV 2000	17.3	57.3	62.4	73.0	79.0	84.2	87.5	88.6	88.6	89.3	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	17.3	57.3	62.4	73.0	79.0	84.2	87.5	88.6	88.6	89.3	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	17.3	57.3	62.4	73.0	79.0	84.2	87.5	88.6	88.6	89.3	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 900	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 700	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 600	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 500	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 200	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 100	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0
IV 0	17.3	58.0	63.7	74.7	81.5	87.9	91.6	92.6	92.6	93.5	94.0	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS: 201

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LEMON, GA

STATION NAME

77

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 20000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 18000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 16000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 14000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 12000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 10000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 9000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 8000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 7000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 6000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 5000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 4500	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 4000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 3500	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 3000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 2500	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 2000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 1800	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 1500	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 1200	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 1000	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 900	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 800	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 700	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 600	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 500	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 400	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 300	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 200	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 100	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 0	57.4	33.7	30.8	44.3	49.1	70.7	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4

TOTAL NUMBER OF OBSERVATIONS

242

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: DTM 035, 44 YEARS: 13-12 MONTH: 11  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.1	8.7	45.4	55.4	57.5	60.2	61.7	63.1	63.7	63.1	62.1	63.1	63.1	63.1	63.1	63.1
≥ 20000	2.7	42.7	47.9	57.1	67.5	63.7	65.4	67.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	2.7	43.3	48.3	57.5	61.7	64.2	66.8	67.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 16000	2.7	43.3	48.3	57.5	61.7	64.2	66.8	67.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	2.7	44.7	51.4	59.9	63.5	66.7	68.4	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 12000	2.7	45.7	51.4	61.7	64.2	67.7	69.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 10000	2.7	47.9	53.4	63.1	66.7	69.9	71.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 9000	2.7	48.3	54.7	63.1	67.7	70.5	73.1	74.3	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 8000	2.7	50.4	56.7	64.3	70.6	73.1	75.2	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	2.7	50.7	57.1	64.7	70.9	74.1	76.2	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 6000	2.7	52.1	58.3	64.1	72.3	75.5	77.7	79.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 5000	2.7	54.3	61.4	71.3	75.4	78.7	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	2.7	55.4	63.1	73.1	77.7	81.2	83.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4000	2.7	57.4	64.7	74.4	79.4	83.1	85.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500	2.7	58.3	65.6	75.5	80.1	83.7	85.3	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	2.7	60.5	67.7	77.7	82.3	85.9	87.9	90.1	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	2.7	62.1	69.3	80.1	84.8	88.3	90.2	92.9	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	2.7	62.1	69.9	80.4	85.5	89.5	91.5	93.6	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1800	2.7	62.1	69.9	80.4	85.5	89.5	91.5	93.6	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1500	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 900	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 700	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 300	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 200	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 100	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 0	2.7	62.4	70.7	81.2	86.3	89.7	92.6	94.7	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS: 282

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: 11111 LHM 220, 7A STATION NAME: 77-00 YEARS: 5 NORTH: 32 HOURS (LST):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.7	44.7	4.7	57.5	67.7	1.0	53.8	64.5	64.5	65.5	66.0	66.0	65.7	65.0	64.7	61.7
IV 20000	1.7	47.7	52.1	61.7	64.5	65.3	65.1	69.5	67.5	70.1	70.9	72.9	70.9	70.9	70.9	71.7
IV 18000	1.7	47.7	52.1	61.7	64.5	65.3	69.1	69.5	69.5	70.6	70.9	70.9	70.9	70.9	70.9	71.7
IV 16000	1.7	47.7	52.1	61.4	64.5	65.5	69.4	69.9	69.9	70.9	71.3	71.7	71.3	71.7	71.3	71.7
IV 14000	1.7	47.7	52.6	62.4	64.7	67.1	69.9	71.3	71.3	72.5	72.7	72.7	72.7	72.7	72.7	73.7
IV 12000	1.7	47.7	53.9	63.1	67.0	67.7	70.9	72.3	72.3	73.4	73.9	73.4	73.6	73.4	73.8	74.3
IV 10000	1.7	49.7	54.7	65.3	69.0	69.9	73.1	74.5	74.5	75.5	75.9	75.9	75.9	75.9	75.9	76.0
IV 9000	1.7	49.7	54.7	66.0	69.9	70.6	73.4	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 8000	1.7	51.1	57.9	67.4	71.7	72.3	75.2	76.6	76.6	77.7	78.3	78.3	78.3	78.3	78.3	79.0
IV 7000	1.7	51.8	58.4	68.1	72.3	72.7	75.9	77.3	77.3	78.4	79.7	78.7	78.7	78.7	78.7	79.1
IV 6000	1.7	53.2	59.9	69.3	73.4	74.1	77.7	79.1	79.1	80.1	80.5	80.5	80.5	80.5	80.5	81.7
IV 5000	1.7	55.3	62.1	72.7	75.4	76.6	80.1	81.0	81.0	82.1	82.9	82.9	82.9	82.9	82.9	83.7
IV 4500	1.7	57.9	64.7	74.1	78.6	79.3	83.3	84.2	84.2	85.5	86.2	86.2	86.2	86.2	86.2	87.5
IV 4000	1.7	58.2	64.9	74.5	79.1	80.5	84.3	85.5	85.5	86.5	86.7	86.9	86.9	86.9	86.9	87.7
IV 3500	1.7	59.2	64.7	75.2	80.5	81.9	85.5	86.9	86.9	87.9	88.3	88.3	88.3	88.3	88.3	89.7
IV 3000	1.7	61.4	68.4	78.4	82.6	84.0	87.7	89.4	89.4	91.4	92.9	92.9	92.9	92.9	92.9	93.1
IV 2500	1.7	63.1	70.7	80.1	84.4	85.5	89.7	91.1	91.1	92.2	92.6	92.6	92.6	92.6	92.6	93.4
IV 2000	1.7	63.5	70.6	80.5	84.3	85.3	89.1	91.5	91.5	92.6	92.9	92.9	92.9	92.9	92.9	93.7
IV 1800	1.7	63.5	71.4	80.5	84.8	86.2	90.1	91.5	91.5	92.6	92.9	92.9	92.9	92.9	92.9	93.7
IV 1500	1.7	63.5	71.4	80.5	85.1	86.2	90.6	92.2	92.2	93.3	94.0	94.0	94.0	94.0	94.0	94.7
IV 1200	1.7	63.8	71.9	81.7	85.3	87.2	91.1	92.5	92.5	93.6	94.3	94.3	94.3	94.3	94.3	94.7
IV 1000	1.7	63.8	71.3	81.2	85.8	87.6	91.5	92.9	92.9	94.0	94.7	94.7	94.7	94.7	94.7	95.7
IV 900	1.7	63.8	71.3	81.2	85.3	87.6	91.5	92.9	92.9	94.0	94.7	94.7	94.7	94.7	94.7	95.7
IV 800	1.7	63.8	71.3	81.2	85.3	87.6	91.5	92.9	92.9	94.0	94.7	94.7	94.7	94.7	94.7	95.7
IV 700	1.7	63.8	71.3	81.2	85.8	87.6	91.5	92.9	92.9	94.0	94.7	94.7	94.7	94.7	94.7	95.7
IV 600	1.7	63.8	71.3	81.2	85.8	87.6	91.5	92.9	92.9	94.0	94.7	94.7	94.7	94.7	94.7	95.7
IV 500	1.7	63.8	71.3	81.2	85.8	87.6	91.5	92.9	92.9	94.0	94.7	94.7	94.7	94.7	94.7	95.7
IV 400	1.7	63.8	71.3	81.6	86.3	87.9	91.8	94.0	94.0	95.7	96.5	96.5	96.5	96.5	96.5	97.2
IV 300	1.7	63.8	71.3	81.6	86.3	87.9	91.8	94.0	94.0	95.7	96.5	96.5	96.5	96.5	96.5	97.2
IV 200	1.7	63.8	71.3	81.6	86.3	87.9	91.8	94.0	94.0	95.7	96.5	96.5	96.5	96.5	96.5	97.2
IV 100	1.7	62.8	71.4	81.6	86.2	87.9	91.8	94.0	94.0	95.7	97.2	97.2	97.2	97.2	97.2	97.2
IV 0	1.7	63.4	71.3	81.6	86.7	87.9	91.8	94.0	94.0	95.7	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS: 22

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
2111

LOCATION, VA  
Lynchburg, VA

STATION NAME

73-12

YEARS

PERIOD  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	28.7	34.6	37.9	42.0	47.1	49.3	51.5	53.0	53.7	54.2	54.6	54.7	57.1	58.5	59.1
≥ 20000	28.7	37.6	41.5	47.7	51.4	54.3	55.2	57.7	59.7	60.0	60.6	60.5	61.1	61.5	62.4
IV 18000	28.7	37.7	41.6	47.9	51.7	54.2	57.1	58.9	59.2	60.2	60.5	60.8	61.7	61.4	62.4
IV 16000	28.7	37.7	41.7	47.9	51.7	54.3	57.2	59.0	59.3	60.3	60.2	60.9	61.4	61.8	62.6
IV 14000	28.7	38.0	43.7	49.5	53.3	55.2	58.9	60.7	61.1	62.6	62.9	63.8	63.7	63.4	64.5
IV 12000	28.7	34.3	44.1	51.9	54.2	57.7	60.8	62.7	63.7	64.3	64.8	64.9	65.5	65.9	66.7
IV 10000	28.7	41.6	46.3	53.3	57.4	60.7	63.4	65.4	65.8	67.1	67.6	67.7	68.3	68.7	69.7
IV 9000	28.7	42.6	46.9	54.3	58.2	61.1	64.3	66.2	66.6	67.9	68.5	68.6	69.1	69.2	70.1
IV 8000	28.7	44.3	48.9	56.1	60.4	63.4	66.7	68.7	69.1	71.4	71.6	71.1	71.6	71.7	72.1
IV 7000	28.7	45.2	49.3	57.1	61.8	64.7	68.3	70.0	70.4	71.6	72.4	72.5	73.0	73.1	73.5
IV 6000	28.7	46.3	50.9	58.4	63.3	66.1	69.5	71.5	71.9	73.3	73.9	74.1	74.6	74.6	75.7
IV 5000	28.7	48.1	53.1	60.6	65.9	68.7	72.2	74.4	74.8	76.2	76.9	76.9	77.5	77.6	78.7
IV 4500	28.7	49.4	54.7	62.6	67.6	71.1	74.8	77.0	77.4	78.6	79.5	79.6	80.1	80.2	81.1
IV 4000	28.7	50.0	55.7	63.7	68.7	72.3	76.0	78.3	78.7	80.1	80.8	80.9	81.4	81.5	82.5
IV 3500	28.7	51.9	56.9	64.5	69.9	73.1	76.9	79.2	79.6	81.3	81.7	81.8	82.4	82.4	83.5
IV 3000	28.7	53.4	58.6	66.6	71.7	75.3	79.2	81.6	82.0	83.4	84.1	84.2	84.8	84.9	85.9
IV 2500	28.7	54.7	60.0	68.2	73.4	77.2	81.2	83.6	84.0	85.4	86.2	86.3	86.9	87.0	88.1
IV 2000	28.7	55.7	61.0	69.4	74.9	78.6	82.7	85.1	85.5	86.9	87.6	87.7	88.3	88.4	89.5
IV 1800	28.7	55.6	61.0	69.5	74.9	78.7	82.7	85.1	85.5	87.1	87.7	87.8	88.4	88.5	89.6
IV 1500	28.7	55.7	61.3	69.7	75.7	79.5	83.9	86.3	86.7	88.3	89.1	89.2	89.9	90.0	91.1
IV 1200	28.7	56.1	61.5	70.2	76.1	80.1	84.5	87.1	87.5	89.1	89.9	90.1	90.8	90.9	92.0
IV 1000	28.7	56.3	61.6	70.4	76.5	80.5	85.1	87.5	88.0	89.5	90.4	90.5	91.2	91.3	92.5
IV 900	28.7	56.1	61.8	70.6	76.7	80.9	85.5	88.0	88.6	90.1	91.0	91.1	91.8	91.9	93.0
IV 800	28.7	56.2	61.8	70.7	76.9	81.1	85.7	88.2	88.8	90.3	91.2	91.3	92.1	92.2	93.3
IV 700	28.7	56.2	61.9	70.7	77.1	81.2	85.9	88.5	89.1	90.7	91.6	91.7	92.4	92.5	93.6
IV 600	28.7	56.3	61.9	70.8	77.1	81.3	86.1	88.7	89.3	91.0	91.9	92.0	92.7	92.8	93.9
IV 500	28.7	56.4	62.0	70.9	77.2	81.5	86.3	89.1	89.7	91.5	92.4	92.5	93.2	93.3	94.4
IV 400	28.7	56.4	62.0	71.0	77.3	81.6	86.6	89.5	90.1	92.0	92.9	93.0	93.7	93.8	94.9
IV 300	28.7	56.4	62.0	71.0	77.3	81.7	86.7	89.6	90.3	92.3	93.2	93.3	94.0	94.1	95.2
IV 200	28.7	56.4	62.0	71.0	77.3	81.7	86.7	89.6	90.3	92.3	93.2	93.3	94.0	94.1	95.2
IV 100	28.7	56.4	62.0	71.0	77.3	81.7	86.7	89.6	90.3	92.3	93.2	93.3	94.0	94.1	95.2
IV 0	28.7	56.4	62.0	71.0	77.3	81.7	86.7	89.6	90.3	92.3	93.2	93.3	94.0	94.1	95.2

TOTAL NUMBER OF OBSERVATIONS 2225

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	64.3	62.3	64.3	63.5	65.5	65.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	67.3	67.4	69.4	71.7	71.4	71.5	72.6	72.2	72.0	72.3	72.3	72.4	72.0	72.7	72.2
IV 18000	67.1	67.1	71.7	71.3	72.6	72.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 16000	67.3	67.1	71.7	71.3	72.6	72.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000	67.3	67.4	71.3	71.6	72.3	73.2	73.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 12000	67.3	67.4	71.3	72.6	72.9	74.2	74.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 10000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 9000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 7000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 5000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1800	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1500	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1200	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 1000	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 900	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 800	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 700	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 600	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 500	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 400	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 300	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 200	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 100	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 0	67.3	67.3	71.3	72.6	72.7	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	¼	≥ 0
NO CEILING	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	4.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 7

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 20000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 18000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 16000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 14000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 12000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 10000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 9000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 8000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 7000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 6000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 5000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 4500	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 4000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 3500	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 3000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	1.0	11.0	48.0	85.0	92.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 20000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 18000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 16000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 14000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 12000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 10000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 9000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 8000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 7000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 6000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 5000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 4500	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 4000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 3500	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 3000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 2500	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 2000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 1800	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 1500	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 1200	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 1000	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 900	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 800	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 700	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 600	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 500	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 400	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 300	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 200	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 100	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0
IV 0	81.0	44.0	32.0	22.0	11.0	5.0	2.0	1.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 21

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



UFG 1 A'.',11 1FD

DETACHMENT ASHEVILLE NC AUG 84

F/G 4/2

441

34



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
27107

LHM 600, PA

STATION NAME

73-22

YEARS

4.17

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1.5

HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	36.5	57.1	58.7	59.7	67.5	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 20000	40.7	63.2	65.5	66.5	67.7	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	41.7	63.2	65.5	66.5	67.7	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	40.7	63.2	65.5	66.5	67.7	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	41.0	64.5	66.6	67.7	68.4	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 12000	41.7	66.5	68.7	69.7	70.3	70.7	70.7	71.5	71.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	43.7	69.7	71.9	73.2	73.9	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	44.7	70.7	72.9	74.2	74.9	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	44.7	71.9	74.5	76.1	76.6	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	45.7	73.9	76.1	77.7	78.4	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 6000	46.7	75.2	77.7	79.4	80.2	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 5000	48.7	79.4	82.3	83.9	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4500	48.7	81.7	84.2	85.8	86.5	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4000	47.4	83.2	86.5	88.1	88.7	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3500	48.7	85.8	89.0	90.7	91.3	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3000	51.3	89.0	92.9	94.5	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	52.9	91.9	95.8	97.4	98.1	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	52.9	91.9	95.8	97.7	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	52.9	91.9	95.8	97.7	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	52.9	91.9	95.8	97.7	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	52.9	91.9	95.8	97.7	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	52.9	91.9	95.8	98.1	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	52.9	91.9	95.8	98.1	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	52.9	91.9	95.8	98.1	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	52.9	91.9	95.8	98.1	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	52.9	91.9	95.8	98.1	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	52.9	91.9	95.8	98.1	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	52.9	91.9	96.1	98.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	52.9	91.9	96.1	98.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	52.9	91.9	96.1	98.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	52.9	91.9	96.1	98.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	52.9	91.9	96.1	98.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

20110  
STATION

LEMOORE, CA

STATION NAME

72-02

YEARS

MAR  
MONTH

27

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING	36.4	65.8	67.4	68.1	68.7	69.7	69.0	69.0	69.7	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	37.7	70.1	72.3	72.9	73.6	73.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 18000	38.1	71.0	72.6	73.2	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 16000	38.1	71.0	72.6	73.2	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 14000	38.4	71.3	72.9	73.9	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 12000	39.7	73.2	74.8	75.8	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 10000	40.0	74.8	76.5	77.7	78.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	40.7	75.2	77.1	78.1	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 8000	41.7	77.4	79.4	80.7	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	41.7	78.7	80.7	81.9	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 6000	42.9	81.0	82.9	84.2	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 5000	43.6	83.6	85.5	86.8	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	44.5	85.2	87.1	88.4	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4000	44.5	86.8	88.7	90.3	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500	46.1	88.7	90.7	92.3	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 3000	47.1	91.3	93.2	94.8	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	47.8	91.9	93.9	95.5	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	48.1	93.9	95.1	97.7	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	48.1	93.9	96.1	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	48.1	93.9	96.5	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	48.1	94.2	96.8	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	48.1	94.2	96.8	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	48.1	94.2	96.8	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	48.1	94.2	96.8	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	48.1	94.2	96.8	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	48.1	94.2	96.8	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	48.1	94.2	96.8	98.7	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	48.1	94.2	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	48.1	94.2	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	48.1	94.2	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	48.1	94.2	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	48.1	94.2	96.8	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

2711  
STATION

LIMPORE, LA  
STATION NAME

73-40  
YEARS

4.1  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8.1  
HOURS (15.5)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.2	52.2	54.9	54.1	57.6	58.2	58.8	59.7	59.2	59.2	59.2	59.2	59.2	59.3	59.4	59.4
IV 20000	75.2	57.2	60.9	62.3	64.7	64.8	65.8	66.7	66.3	66.3	66.3	66.3	66.3	66.4	66.5	66.5
IV 18000	74.4	58.1	61.2	62.4	64.3	63.7	65.9	66.3	66.4	66.5	66.5	66.5	66.5	66.7	66.7	66.7
IV 16000	75.4	56.2	61.1	62.4	64.4	65.1	66.0	66.9	66.9	66.7	66.7	66.7	66.7	66.9	66.9	67.1
IV 14000	75.4	59.7	62.2	63.6	65.5	66.3	67.2	67.6	67.7	67.9	67.9	67.9	67.9	68.1	68.1	68.2
IV 12000	76.4	60.4	63.7	65.2	67.2	68.7	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.8	69.8	70.0
IV 10000	77.4	63.2	65.4	68.2	70.3	71.1	72.1	72.5	72.6	72.9	72.9	72.9	72.9	73.1	73.1	73.2
IV 9000	74.7	63.7	67.1	69.8	71.7	71.8	72.7	73.2	73.2	73.5	73.6	73.6	73.7	73.6	73.8	73.9
IV 8000	79.6	66.6	70.3	72.1	74.5	75.3	76.3	76.8	76.9	77.1	77.2	77.2	77.3	77.4	77.5	77.5
IV 7000	80.2	67.5	71.2	73.0	75.4	76.3	77.3	77.8	77.8	78.1	78.2	78.2	78.3	78.4	78.5	78.5
IV 6000	80.4	68.2	72.7	74.4	77.0	77.9	79.0	79.5	79.6	79.8	79.9	79.9	79.9	80.0	80.1	80.2
IV 5000	82.1	71.7	75.6	77.5	79.9	80.9	81.9	82.4	82.5	82.7	82.9	82.9	82.9	83.1	83.1	83.2
IV 4500	82.4	72.4	76.4	78.7	81.2	82.1	83.1	83.7	83.7	84.0	84.0	84.0	84.2	84.2	84.4	84.4
IV 4000	83.6	74.4	79.1	81.1	83.7	84.7	85.7	86.3	86.3	86.6	86.7	86.7	86.9	86.9	87.0	87.1
IV 3500	85.1	77.9	81.9	83.8	86.6	87.5	88.4	89.2	89.2	89.5	89.5	89.6	89.6	89.8	89.8	90.0
IV 3000	85.4	80.6	85.1	87.5	90.3	91.3	92.5	93.1	93.1	93.4	93.5	93.5	93.7	93.7	93.8	93.9
IV 2500	87.4	82.4	87.1	89.4	92.3	93.4	94.5	95.1	95.2	95.5	95.6	95.6	95.8	95.8	95.9	96.0
IV 2000	88.7	83.7	89.4	92.9	95.9	95.7	96.1	96.7	96.8	97.1	97.2	97.2	97.4	97.4	97.5	97.6
IV 1800	88.2	85.8	88.5	91.1	94.0	95.1	96.3	96.9	97.0	97.3	97.3	97.4	97.4	97.5	97.6	97.7
IV 1500	88.6	88.4	89.4	92.0	95.0	96.2	97.3	98.0	98.1	98.4	98.5	98.5	98.6	98.7	98.8	98.8
IV 1200	88.6	89.5	89.6	92.2	95.2	96.4	97.6	98.2	98.3	98.6	98.8	98.8	98.8	98.9	99.0	99.1
IV 1000	88.6	89.6	89.6	92.3	95.4	96.6	97.7	98.4	98.5	98.8	98.9	98.9	99.0	99.1	99.2	99.3
IV 900	88.6	89.6	89.7	92.3	95.4	96.6	97.8	98.4	98.5	98.8	98.9	99.0	99.1	99.2	99.3	99.3
IV 800	88.6	89.6	89.7	92.3	95.4	96.6	97.8	98.4	98.5	98.8	98.9	99.0	99.1	99.2	99.3	99.3
IV 700	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.6	99.0	99.1	99.1	99.3	99.3	99.4	99.5
IV 600	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.5
IV 500	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.5
IV 400	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.5
IV 300	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.5
IV 200	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.5
IV 100	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.5
IV 0	88.6	89.6	89.7	92.4	95.5	96.7	97.9	98.6	98.7	99.0	99.1	99.1	99.3	99.4	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2480

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CA  
STATION NAME

72-72  
YEARS

1P  
MONTH  
71  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	46.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 20000	57.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 18000	57.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 16000	57.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 14000	57.3	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 12000	58.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 10000	59.0	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 9000	59.0	85.7	85.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 8000	59.3	87.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 7000	51.3	98.3	98.3	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 6000	51.3	98.3	98.3	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 5000	53.7	91.7	91.7	91.7	91.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4500	62.7	91.7	91.7	92.3	92.3	92.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 4000	53.7	92.0	92.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 3500	74.3	94.0	94.3	95.0	95.0	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 3000	75.0	96.7	97.0	97.7	97.7	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2500	55.7	97.3	97.7	98.3	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	55.7	97.7	98.0	98.7	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1800	55.7	97.7	98.0	98.7	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1500	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	55.7	98.0	98.3	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CA  
STATION NAME

73-82  
YEARS

4PM  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	55.7	77.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 20000	58.3	80.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IN 18000	58.3	80.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IN 16000	58.3	80.7	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IN 14000	58.3	81.0	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0
IN 12000	60.0	83.0	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0
IN 10000	60.0	84.7	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7
IN 9000	61.7	85.0	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0
IN 8000	61.7	86.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3
IN 7000	62.0	86.7	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0
IN 6000	62.7	87.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7
IN 5000	63.3	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7
IN 4500	63.7	89.3	90.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0
IN 4000	64.0	90.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0
IN 3500	64.3	93.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7
IN 3000	64.7	94.0	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IN 2500	64.7	95.0	96.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IN 2000	64.7	95.7	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7
IN 1800	64.7	96.0	97.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IN 1500	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 1200	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 1000	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 900	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 800	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 700	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 600	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 500	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 400	64.7	96.7	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IN 300	64.7	96.7	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 200	64.7	96.7	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 100	64.7	96.7	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 0	64.7	96.7	97.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
23110

STATION NAME  
LITTLE ROCK, GA

YEARS  
73-72

MONTH

APR

07

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	54.7	75.1	78.3	71.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3	71.3
≥ 20000	41.7	75.7	77.3	75.3	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	80.3	80.3
IV 18000	63.7	77.3	78.3	78.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	81.0
IV 16000	43.7	77.3	78.7	75.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.7	81.0
IV 14000	64.7	78.3	79.3	79.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.7	82.0
IV 12000	65.3	79.3	80.3	80.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7	83.0
IV 10000	66.7	81.0	81.7	82.3	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.7	85.0
IV 9000	67.7	81.7	82.3	83.0	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3	85.7
IV 8000	69.0	83.7	84.3	85.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.7	88.0
IV 7000	69.7	84.3	85.0	85.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.3	88.7
IV 6000	69.7	84.7	85.3	86.7	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7	90.0
IV 5000	69.7	84.7	85.3	86.7	88.3	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.3
IV 4500	70.3	86.3	87.0	88.3	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7	92.0
IV 4000	71.7	88.3	89.3	90.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.7	94.0
IV 3500	72.7	89.7	90.3	92.0	94.3	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.0	96.3
IV 3000	73.7	90.3	91.0	92.7	95.7	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.7	97.0
IV 2500	73.7	91.0	91.7	93.3	95.7	96.3	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.7	97.7
IV 2000	73.7	91.7	92.3	94.3	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.7
IV 1800	73.7	91.7	92.3	94.3	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.7
IV 1500	73.7	92.0	93.0	95.3	97.7	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
IV 1200	73.7	92.0	93.0	95.3	97.7	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
IV 1000	73.7	92.0	93.0	95.3	97.7	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3	99.7
IV 900	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 800	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 700	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 600	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 500	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 400	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 300	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 200	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 100	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0
IV 0	73.7	92.3	93.3	95.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

2116  
STATION

LEMOORE, CA

STATION NAME

73-82

YEARS

20  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	66.7	76.3	71.7	72.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 20000	63.3	78.3	79.7	81.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 18000	63.3	78.3	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 16000	63.3	78.3	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 14000	64.0	79.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 12000	65.3	80.3	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 10000	67.0	82.0	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	67.0	82.0	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	64.7	84.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	64.7	84.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 6000	63.7	84.3	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	60.3	84.0	85.3	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	60.3	85.7	87.0	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	70.3	86.0	88.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	71.3	88.0	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	72.3	90.0	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	75.7	94.3	96.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2000	75.7	94.3	96.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	75.7	95.0	96.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	75.7	95.0	96.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	75.7	95.0	96.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	76.0	96.3	98.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CA

STATION NAME

71-82

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.7	65.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	45.7	73.0	73.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IN 18000	45.7	73.7	74.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IN 16000	45.7	74.3	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IN 14000	47.0	75.3	75.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IN 12000	48.0	77.0	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IN 10000	50.0	78.7	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IN 9000	50.0	78.7	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IN 8000	50.0	79.3	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IN 7000	50.0	79.3	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IN 6000	51.0	80.7	80.7	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IN 5000	53.0	82.7	83.3	84.3	84.3	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IN 4500	54.0	84.3	85.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IN 4000	56.0	87.7	88.3	89.3	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IN 3500	59.7	91.3	92.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IN 3000	71.0	94.0	95.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 2500	72.0	95.7	97.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 2000	72.0	96.7	98.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 1800	72.0	96.7	98.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 1500	72.0	96.7	98.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 1200	72.0	96.7	98.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IN 1000	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 900	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 800	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 700	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 600	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 500	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 400	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 300	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 200	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 100	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 0	72.0	97.0	98.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23117  
STATION

LEMOORE, CA

STATION NAME

73-82

YEARS

APC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS LT & T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.7	69.7	71.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000	58.7	76.7	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 18000	58.7	76.7	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 16000	58.7	76.7	77.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 14000	58.7	76.7	81.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 12000	58.7	80.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 10000	51.7	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	51.7	82.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 8000	52.7	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	52.7	83.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	52.7	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 5000	54.7	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	58.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4000	58.7	90.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	58.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 3000	71.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2500	71.3	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	71.3	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	71.3	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	71.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

700

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LEAFOR, GA

STATION NAME

YEARS

YEARS

MONTH

17

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	77.7	77.7	75.0	71.7	78.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 20000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 18000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 16000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 14000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 12000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 10000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 8000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 7000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 6000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 5000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 4500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 4000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 3500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 3000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: LITTLE ROCK, AR      YEARS: 73-74      MONTH: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)      HOURS: 11 & 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 20000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
18000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
16000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
14000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
12000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
10000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
9000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
8000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
7000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
6000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
5000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
4500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
4000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
3500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
3000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1800	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1200	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
900	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
800	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
700	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
600	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
400	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
300	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
200	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
100	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: ALL  
 STATION: 11111 MONTH: ALL  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 18000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 16000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 14000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 12000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 10000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 8000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2500	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1800	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1500	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1200	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1000	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 900	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 800	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 700	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 600	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 500	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 400	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 300	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 200	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 100	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 0	75.3	73.5	74.5	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3

TOTAL NUMBER OF OBSERVATIONS: 212

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LAUREL, GA

STATION NAME

77-42

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PER  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 20000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 18000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 16000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 14000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 12000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 10000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 9000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 8000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 7000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 6000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 5000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4500	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1500	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1000	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 900	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 800	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 600	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 500	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 400	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 300	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 200	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 100	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 0	97.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: LEWIS, NC STATION: YEARS: MONTH: HOURS (LST):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 20000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 18000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 16000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 14000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 12000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 10000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 9000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 8000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 7000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 6000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 5000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4500	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 800	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 700	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 600	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 400	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 300	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 200	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 100	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 0	77.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS: 311

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LEWIS, GA

STATION NAME

73-1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.7	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 20000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
18000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
16000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
14000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
12000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
10000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
9000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
8000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
7000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
6000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
5000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
4500	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
4000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3500	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2500	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1800	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1500	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1200	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1000	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
900	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
800	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
700	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
600	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
500	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
400	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
300	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
200	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
100	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
0	84.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LEWIS, GA

STATION NAME

73-92

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.4	76.1	68.5	66.8	66.5	66.4	86.3	96.8	16.8	86.5	86.5	86.4	86.2	96.6	86.8	91.2
≥ 20000	1.6	90.7	91.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 18000	1.6	90.7	91.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 16000	1.6	90.7	91.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 14000	1.6	91.4	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 12000	1.6	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 10000	1.6	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 9000	1.6	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 8000	1.6	94.5	94.8	95.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 7000	1.6	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 6000	1.6	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 5000	1.6	96.1	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 4500	6.3	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 4000	6.3	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3500	17.1	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3000	48.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	89.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	89.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 314

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.7	41.9	32.4	22.6	17.9	12.9	8.2	5.9	4.2	3.0	2.0	1.2	0.9	0.7	0.5	0.3
≥ 20000	74.2	47.1	37.7	27.7	23.1	18.1	13.1	9.1	6.1	4.1	3.1	2.1	1.1	0.8	0.6	0.4
18000	74.4	47.4	38.1	28.1	23.4	18.4	13.4	9.4	6.4	4.4	3.4	2.4	1.4	0.9	0.7	0.5
16000	74.4	47.4	38.1	28.1	23.4	18.4	13.4	9.4	6.4	4.4	3.4	2.4	1.4	0.9	0.7	0.5
14000	75.4	48.1	38.7	28.7	24.1	19.1	14.1	10.1	7.1	5.1	4.1	3.1	2.1	1.1	0.8	0.6
12000	75.4	48.1	38.7	28.7	24.1	19.1	14.1	10.1	7.1	5.1	4.1	3.1	2.1	1.1	0.8	0.6
10000	76.4	49.1	39.7	29.7	25.1	20.1	15.1	11.1	8.1	6.1	5.1	4.1	3.1	2.1	1.1	0.8
9000	76.4	49.1	39.7	29.7	25.1	20.1	15.1	11.1	8.1	6.1	5.1	4.1	3.1	2.1	1.1	0.8
8000	76.4	49.1	39.7	29.7	25.1	20.1	15.1	11.1	8.1	6.1	5.1	4.1	3.1	2.1	1.1	0.8
7000	76.4	49.1	39.7	29.7	25.1	20.1	15.1	11.1	8.1	6.1	5.1	4.1	3.1	2.1	1.1	0.8
6000	77.4	50.1	40.7	30.7	26.1	21.1	16.1	12.1	9.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
5000	77.4	50.1	40.7	30.7	26.1	21.1	16.1	12.1	9.1	7.1	6.1	5.1	4.1	3.1	2.1	1.1
4500	78.4	51.1	41.7	31.7	27.1	22.1	17.1	13.1	10.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1
4000	78.4	51.1	41.7	31.7	27.1	22.1	17.1	13.1	10.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1
3500	79.4	52.1	42.7	32.7	28.1	23.1	18.1	14.1	11.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1
3000	79.4	52.1	42.7	32.7	28.1	23.1	18.1	14.1	11.1	9.1	8.1	7.1	6.1	5.1	4.1	3.1
2500	80.4	53.1	43.7	33.7	29.1	24.1	19.1	15.1	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1
2000	80.4	53.1	43.7	33.7	29.1	24.1	19.1	15.1	12.1	10.1	9.1	8.1	7.1	6.1	5.1	4.1
1800	81.4	54.1	44.7	34.7	30.1	25.1	20.1	16.1	13.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1
1500	81.4	54.1	44.7	34.7	30.1	25.1	20.1	16.1	13.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1
1200	82.4	55.1	45.7	35.7	31.1	26.1	21.1	17.1	14.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1
1000	82.4	55.1	45.7	35.7	31.1	26.1	21.1	17.1	14.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1
900	83.4	56.1	46.7	36.7	32.1	27.1	22.1	18.1	15.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1
800	83.4	56.1	46.7	36.7	32.1	27.1	22.1	18.1	15.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1
700	84.4	57.1	47.7	37.7	33.1	28.1	23.1	19.1	16.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1
600	84.4	57.1	47.7	37.7	33.1	28.1	23.1	19.1	16.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1
500	85.4	58.1	48.7	38.7	34.1	29.1	24.1	20.1	17.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1
400	85.4	58.1	48.7	38.7	34.1	29.1	24.1	20.1	17.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1
300	86.4	59.1	49.7	39.7	35.1	30.1	25.1	21.1	18.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1
200	86.4	59.1	49.7	39.7	35.1	30.1	25.1	21.1	18.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1
100	87.4	60.1	50.7	40.7	36.1	31.1	26.1	22.1	19.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1
0	87.4	60.1	50.7	40.7	36.1	31.1	26.1	22.1	19.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1

TOTAL NUMBER OF OBSERVATIONS 512

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

2011  
STATION

LA MOORE, CA

STATION NAME

73-01

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 20000	73.3	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 18000	73.7	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	74.2	87.4	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 14000	74.6	88.1	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 12000	75.2	88.7	89.7	89.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 10000	76.1	89.7	90.7	90.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 9000	76.3	90.3	90.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 8000	77.1	91.7	91.8	91.8	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 7000	77.4	91.8	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 6000	77.7	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 5000	78.7	93.8	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4500	79.7	94.2	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	81.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3500	81.7	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	82.6	99.0	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

2311  
STATION

LEMOORE, CA  
STATION NAME

73-32  
YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	64.7	92.6	88.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 20000	74.5	88.7	85.7	84.7	85.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVM 18000	74.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVM 16000	75.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IVM 14000	75.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVM 12000	76.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IVM 10000	78.1	92.9	92.9	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IVM 9000	78.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IVM 8000	79.7	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVM 7000	79.7	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVM 6000	79.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVM 5000	79.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVM 4500	81.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IVM 4000	82.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IVM 3500	82.6	98.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IVM 3000	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 2500	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 2000	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 1800	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 1500	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 1200	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 1000	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 900	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 800	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 700	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 600	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 500	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 400	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 300	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 200	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 100	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IVM 0	82.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DATE

STATION NAME

YEAR

MONTH

DAY

HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	95.5	92.5	90.5	87.5	84.5	80.5	76.5	70.5	66.5	60.5	56.5	50.5	46.5	40.5	36.5	30.5
≥ 20000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 18000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 16000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 14000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 12000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 10000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 9000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 8000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 7000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 6000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 5000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 4500	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 4000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 3500	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 3000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 2500	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 2000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 1800	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 1500	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 1200	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 1000	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 900	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 800	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 700	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 600	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 500	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 400	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 300	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 200	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 100	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
IV 0	76.5	63.2	53.2	43.2	33.2	23.2	13.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2

TOTAL NUMBER OF OBSERVATIONS 315

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME LEMOORE, CA YEAR 73-80 MONTH MAY  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	74.5	86.5	88.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 18000	75.5	86.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 16000	75.5	86.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 14000	75.5	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 12000	75.5	91.3	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 10000	75.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 9000	75.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 8000	75.5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 7000	75.5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 6000	75.5	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 5000	75.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 4500	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 4000	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 3500	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 3000	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2500	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1500	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 100	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23117  
STATION

LEWIS, GA  
STATION NAME

77-57  
YEARS

00  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 20000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 18000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 16000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 14000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 12000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 10000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 9000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 8000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 7000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 6000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 5000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 4500	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 4000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 200	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 100	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 0	77.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS 120

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
2311

STATION NAME  
LEWIS, PA

77-12

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 20000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
18000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
16000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
14000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
12000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
10000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
9000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
8000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
7000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
6000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
5000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
4500	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
4000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
3500	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
3000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2500	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1800	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1500	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1200	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1000	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
900	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
800	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
700	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
600	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
500	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
400	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
300	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
200	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
100	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
0	77.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION  
27110STATION NAME  
108071YEAR  
1971MONTH  
7HOURS (LST)  
7PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 20000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 18000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 16000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 14000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 12000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 10000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 9000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 8000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 7000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 6000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 5000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 3000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1967, 1968 MONTH: 1 HOURS: 1, 2, 3

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 72

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
≥ 20000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 18000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 16000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 14000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 12000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 10000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 9000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 8000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 7000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 6000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 5000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 4500	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 4000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 3500	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 3000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 2500	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 2000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 1800	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 1500	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 1200	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 1000	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 900	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 800	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 700	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 600	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 500	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 400	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 300	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 200	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 100	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7
IV 0	74.7	77.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LEMAN, NC

STATION NAME

77-10

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE 16.5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 20000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 18000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 16000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 14000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 12000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 10000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 9000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 8000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 5000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4500	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	7.7	47.7	88.7	95.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: LEAS FERRY, GA. YEARS: 1964 MONTH: 12 HOURS (LST):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 20000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 18000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 16000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 14000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 12000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 10000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 9000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 8000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 7000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 6000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 5000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 4500	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 4000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 3500	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 3000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 800	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 400	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 300	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 200	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 100	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 0	97.3	95.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
27111

LEWIS, LA

STATION NAME

77-1

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING	74.7	92.3	97.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 20000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 18000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 16000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 14000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 12000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 10000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 9000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 8000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 7000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 6000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 5000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4500	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3500	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2500	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	77.7	94.3	97.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION NAME

STATION NAME

STATION NAME

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
≥ 20000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 18000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 16000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 14000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 12000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 10000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 9000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 8000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 7000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 6000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 5000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 4500	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 4000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 3500	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 3000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 2500	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 2000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 1800	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 1500	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 1200	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 1000	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 900	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 800	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 700	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 600	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 500	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 400	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 300	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 200	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 100	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2
IV 0	74.1	68.1	60.5	50.8	40.3	30.9	20.5	10.3	6.5	4.2	2.5	1.5	0.8	0.5	0.3	0.2

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME: LHM 006, CA YEARS: 77-80 MONTH: 01

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	75.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 30000	2.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 18000	2.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 16000	2.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 14000	2.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 12000	3.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 10000	4.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 9000	4.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 8000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	5.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS. VISIBILITY

STATION

STATION NAME

YEARS

MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	74.7	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 20000	1.0	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 18000	1.0	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 16000	1.0	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 14000	1.0	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 12000	1.0	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 10000	1.0	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 9000	1.0	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 8000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 7000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 6000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 5000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4500	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3500	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2500	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	1.0	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LONGVIEW, GA

STATION NAME

72-32

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	96.2	92.1	91.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 20000	97.3	93.6	93.6	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 18000	97.4	93.7	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 16000	97.7	94.3	94.2	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 14000	98.4	95.1	95.2	95.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	98.7	97.1	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	98.8	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 9000	98.8	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.8	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

117

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L &amp; T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 20000	94.9	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 18000	94.9	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 16000	94.9	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 14000	95.9	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 12000	95.9	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 10000	96.9	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 9000	96.9	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 8000	96.9	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	96.9	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	96.9	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 5000	97.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4500	97.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4000	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1600	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1400	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

2111  
STATION

ASHEVILLE, NC  
STATION NAME

71-11  
YEARS

11  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	72.4	91.7	91.3	91.3	91.7	91.3	91.3	91.3	91.7	91.3	91.3	91.3	91.3	91.3	91.3	91.7
≥ 20000	75.9	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 18000	75.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 16000	75.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 14000	76.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	76.7	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 10000	77.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 9000	77.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 8000	77.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 7000	77.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6000	78.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	78.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500	78.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4000	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	99.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 20000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 18000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 16000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 14000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 12000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 10000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 9000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 8000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 7000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 6000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 5000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4500	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3500	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2500	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1200	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 900	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 800	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 700	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 600	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 400	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 300	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 200	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 100	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 0	71.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.1	91.7	91.2	91.3	91.4	91.5	91.4	91.4	91.4	91.5	91.4	91.4	91.4	91.4	91.4	91.4
IV 20000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 18000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 16000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 14000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 12000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 10000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 9000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 8000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 7000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 6000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 5000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4500	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3500	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2500	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 300	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	74.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS 112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 18000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 16000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 14000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 12000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 10000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 9000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 8000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 7000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 6000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 5000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 4500	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 4000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 3500	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 3000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2500	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 400	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 200	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 100	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 0	1.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

223

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 20000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 18000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 16000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 14000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 12000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 10000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 9000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 8000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 7000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 6000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 5000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 4500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 4000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 3500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 3000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 2500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 2000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 1800	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 1500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 1200	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 1000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 900	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 800	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 700	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 600	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 400	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 300	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 200	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 100	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DIRECTION

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 20000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 18000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 16000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 14000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 12000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 10000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 9000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 8000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 7000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 6000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 5000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 4500	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 4000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 3500	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 3000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2500	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1000	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 900	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 700	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 600	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 500	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 200	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 100	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 0	74.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS

31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: NAVY AIRCRAFT YEARS: 1951-1952 MONTH: 12  
 STATION NAME: ASHEVILLE YEARS: 1951-1952 MONTH: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	94.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 20000	91.3	91.3	93.6	93.6	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
18000	91.3	92.0	94.2	94.2	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
16000	91.3	92.0	94.2	94.2	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
14000	92.0	93.2	94.2	94.2	95.2	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
12000	93.2	94.2	95.2	95.2	96.5	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
10000	94.2	94.2	95.2	95.2	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
9000	94.2	94.2	95.2	95.2	97.1	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
8000	94.2	95.2	97.1	97.1	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
7000	94.2	95.2	97.4	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
6000	94.2	95.2	97.4	97.4	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
5000	94.2	96.5	98.1	98.1	98.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4500	94.2	96.5	98.1	98.1	98.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4000	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3500	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3000	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2500	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
2000	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1800	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1500	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1200	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	94.2	97.1	98.7	98.7	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 07101 STATION NAME CEN HILL, GA YEARS 74-76 SOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	71.7	45.4	31.7	21.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 20000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 18000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 16000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 14000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 12000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 10000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 9000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 8000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 7000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 6000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 5000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4500	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3500	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2500	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1800	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1500	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1200	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1000	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 900	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 800	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 700	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 600	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 500	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 400	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 300	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 200	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 100	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 0	77.7	42.7	24.7	15.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1950 MONTH: 1 DAY: 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.7	89.6	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 20000	75.7	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 18000	75.7	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 16000	75.7	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 14000	75.7	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 12000	75.7	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 10000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 9000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 8000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 7000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 6000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 5000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4500	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3500	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2500	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1800	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	77.1	95.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 31

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DATE

STATION NAME

73-72

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.4	76.1	82.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 20000	72.4	72.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 18000	72.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 14000	72.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 14000	72.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 12000	72.4	73.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 10000	74.2	74.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 9000	74.2	75.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 8000	74.2	75.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 7000	74.2	75.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 6000	74.2	75.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 5000	74.2	75.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4500	74.2	75.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4000	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	75.2	76.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

2011 LHM00 8, 04

STATION NAME

73-00

YEARS

A 10  
B 12  
C 12  
D 12  
E 12  
F 12  
G 12  
H 12  
I 12  
J 12  
K 12  
L 12  
M 12  
N 12  
O 12  
P 12  
Q 12  
R 12  
S 12  
T 12  
U 12  
V 12  
W 12  
X 12  
Y 12  
Z 12

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 20000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 18000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 16000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 14000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 12000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 10000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 9000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 8000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 7000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 6000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 5000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4500	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3500	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2500	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 600	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 500	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 400	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 300	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 200	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 100	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 0	75.4	90.7	91.4	91.9	92.4	92.7	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS 410

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

LAURENS, SC

STATION NAME

77-1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 4	≥ 0
NO CEILING	76.7	74.7	94.5	94.5	94.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 20000	77.7	76.7	95.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 18000	77.7	76.5	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 16000	77.7	76.5	96.5	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 14000	77.7	76.5	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 12000	77.7	77.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 10000	77.7	78.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 9000	77.7	78.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 8000	77.7	78.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	77.7	79.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 5000	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4500	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	77.7	78.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 511

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3.1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 20000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 18000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 16000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 14000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 12000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 10000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 9000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 8000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 7000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 6000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 5000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 4500	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 4000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3500	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1800	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1200	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1000	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 900	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 800	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 700	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 600	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 500	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 400	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 300	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 200	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 100	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 0	75.1	90.1	91.1	92.7	92.5	92.7	92.8	92.5	92.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS 2489

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 27137 LENOIR, NC STATION NAME 7-1 YEARS MONTH 11 HOURS 11 5 T

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	91.7	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 20000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 18000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 16000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 14000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 12000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 10000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 9000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 8000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 7000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 6000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 5000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 900	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 700	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 600	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 400	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 300	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 100	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 20000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 18000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 16000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 14000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 12000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 10000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 9000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 8000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 7000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 6000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 5000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 900	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 700	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 600	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 400	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 300	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 100	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	3.3	8.3	20.7	45.7	6.7	16.7	4.7	14.7	7.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 20000	4.7	14.7	44.7	69.7	89.7	9.7	29.7	19.7	29.7	39.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	5.7	14.7	5.7	24.7	59.7	10.7	29.7	19.7	29.7	39.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	5.7	14.7	6.7	24.7	39.7	9.7	29.7	19.7	29.7	39.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	6.7	14.7	27.7	41.7	21.7	1.7	21.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	6.7	14.7	27.7	41.7	41.7	3.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 10000	6.7	14.7	27.7	27.7	27.7	13.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 9000	6.7	14.7	27.7	27.7	27.7	13.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 8000	6.7	14.7	27.7	24.7	24.7	14.7	14.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 7000	6.7	14.7	27.7	24.7	24.7	14.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 6000	6.7	14.7	27.7	24.7	24.7	14.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 5000	6.7	14.7	27.7	24.7	24.7	14.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 4500	6.7	14.7	27.7	24.7	24.7	14.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 4000	6.7	14.7	27.7	24.7	24.7	14.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 3500	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 3000	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 2500	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 2000	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 1800	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 1500	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 1200	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 1000	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 900	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 800	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 700	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 600	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 500	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 400	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 300	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 200	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 100	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
IV 0	6.7	14.7	27.7	27.7	27.7	17.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1950-1951 MONTH: 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0
NO CEILING	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 20000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 18000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 16000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 14000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 12000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 10000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 9000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 8000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: UNIVERSITY, NC STATION NAME: UNIVERSITY, NC YEARS: 1951-1952 MONTH: 12  
 STATION: UNIVERSITY, NC STATION NAME: UNIVERSITY, NC YEARS: 1951-1952 MONTH: 12  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.): 12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 20000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
18000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
16000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
14000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
12000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
10000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
9000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
8000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
7000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
6000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
5000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
4500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
4000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
3500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
900	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
700	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
600	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
400	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
300	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
100	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS: 120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 2711 STATION NAME 1-1000, 70-10 YEARS NORTH  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) ALL HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	6.7	10.7	27.5	47.9	68.1	85.1	92.1	94.1	95.1	96.1	97.1	98.1	99.1	99.1	99.1
≥ 20000	7.7	10.7	27.5	47.9	68.1	85.1	92.1	94.1	95.1	96.1	97.1	98.1	99.1	99.1	99.1
IV 18000	5.7	8.7	21.7	41.3	61.7	81.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 16000	6.7	9.7	21.3	41.4	61.5	81.6	91.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 14000	17.1	21.3	21.3	22.1	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
IV 12000	21.3	21.3	22.7	22.3	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
IV 10000	22.7	22.7	24.3	24.3	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 9000	22.7	22.7	24.6	25.3	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
IV 8000	22.7	22.7	25.6	26.3	26.1	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 7000	22.7	22.7	25.7	26.1	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
IV 6000	22.7	24.1	26.3	26.3	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
IV 5000	22.7	24.7	26.5	27.4	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
IV 4500	22.7	24.8	26.8	27.2	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 4000	22.7	25.7	27.1	27.5	27.6	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 3500	22.7	25.3	27.2	27.6	27.6	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
IV 3000	22.7	25.7	27.7	28.2	28.3	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 2500	22.7	25.7	27.3	28.3	28.5	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
IV 2000	22.7	25.3	27.2	28.4	28.7	28.5	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 1800	22.7	25.7	27.9	28.6	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 1500	22.7	26.7	28.7	28.5	28.5	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 1200	22.7	26.7	28.7	28.5	28.5	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 1000	22.7	26.7	28.1	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 900	22.7	26.7	28.1	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 800	22.7	26.7	28.1	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 700	22.7	26.7	28.1	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 600	22.7	26.7	28.1	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 500	22.7	26.7	28.1	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 400	22.7	26.7	28.1	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 300	22.7	26.7	28.2	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 200	22.7	26.7	28.2	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 100	22.7	26.7	28.2	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
IV 0	22.7	26.7	28.2	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9

TOTAL NUMBER OF OBSERVATIONS 2476

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION: 17000 STATION NAME: ASHEVILLE YEARS: 1951 MONTH: 1 HOURS (LST): 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: L-4 100, 77 YEARS: 73-74 MONTH: 14 HOURS (L S T):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
≥ 20000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 18000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 16000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 14000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 12000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 10000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 9000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 8000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 7000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 6000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 5000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 4500	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 4000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 3500	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 3000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 2500	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 2000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 1800	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 1500	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 1200	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 1000	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 900	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 800	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 700	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 600	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 500	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 400	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 300	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 200	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 100	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5
IN 0	93.7	87.9	83.9	80.2	76.1	72.5	68.5	65.5	62.5	59.5	56.5	53.5	50.5	47.5	44.5	41.5

TOTAL NUMBER OF OBSERVATIONS: 115

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

DATE

STATION NAME

YEAR

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	64.1	67.4	71.2	75.4	77.2	79.7	79.3	79.3	79.3	79.4	79.6	79.6	79.6	79.6	79.6
≥ 20000	34.7	44.6	72.3	75.4	80.5	84.2	84.5	84.5	84.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1
18000	34.7	68.6	73.4	76.4	80.6	84.5	84.5	84.5	84.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1
16000	34.7	64.5	72.3	75.4	80.6	84.5	84.2	84.5	84.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1
14000	34.7	70.6	75.7	78.3	82.7	86.4	86.4	86.7	86.7	86.7	86.7	87.1	87.1	87.1	87.1	87.1
12000	34.7	71.7	76.7	79.3	83.2	87.4	87.4	87.7	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1
10000	34.7	75.7	81.7	84.1	88.4	92.2	92.2	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9
9000	34.7	76.1	81.7	84.5	88.7	92.6	92.6	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2
8000	34.7	76.7	82.4	85.1	89.3	93.2	93.2	93.5	93.5	93.5	93.5	93.9	93.9	93.9	93.9	93.9
7000	34.7	77.7	83.2	86.4	90.6	94.5	94.5	94.8	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2
6000	34.7	79.3	84.9	87.1	91.3	95.2	95.2	95.5	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9
5000	34.7	79.6	85.3	88.4	92.6	96.4	96.4	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1
4500	34.7	79.7	85.3	88.4	92.6	96.4	96.4	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1
4000	34.7	80.7	86.4	89.1	93.2	97.1	97.1	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7
3500	34.7	80.7	86.4	89.1	93.2	97.1	97.1	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7
3000	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
2500	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
2000	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
1800	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
1500	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
1200	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
1000	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
900	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
800	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
700	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
600	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
500	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
400	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
300	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
200	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
100	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4
0	34.7	81.6	88.7	90.6	94.5	98.7	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

229

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 20110 LHM 000, CA 71-3 YEARS NORTH 12 HOURS (L & S)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.1	61.9	69.7	72.6	77.4	79.4	72.7	60.3	50.3	43.3	50.3	33.3	20.3	10.3	0.3	0.3
≥ 20000	77.1	61.9	72.6	76.5	81.4	83.9	64.2	54.9	54.2	44.8	34.8	24.8	14.8	4.8	4.8	4.8
IV 18000	77.1	64.5	72.6	76.5	81.4	83.9	54.2	54.9	54.4	44.8	34.8	24.8	14.8	4.8	4.8	4.8
IV 16000	77.1	64.5	72.6	76.5	81.4	83.9	54.2	54.9	54.3	44.8	34.8	24.8	14.8	4.8	4.8	4.8
IV 14000	77.1	66.1	74.2	77.1	83.7	85.9	56.5	54.7	54.7	46.5	36.5	26.5	16.5	6.5	6.5	6.5
IV 12000	77.1	67.1	75.5	79.0	84.5	86.3	67.1	57.7	57.7	57.7	47.7	37.7	27.7	17.7	17.7	17.7
IV 10000	77.1	70.7	79.4	83.6	89.7	91.0	91.3	81.2	81.2	81.2	71.2	61.2	51.2	41.2	31.2	21.2
IV 9000	77.1	70.7	79.4	83.6	89.7	91.0	91.3	81.2	81.2	81.2	71.2	61.2	51.2	41.2	31.2	21.2
IV 8000	77.1	71.9	81.7	84.8	91.7	92.3	92.6	82.2	82.2	82.2	72.2	62.2	52.2	42.2	32.2	22.2
IV 7000	77.1	71.9	81.7	84.8	91.7	92.3	92.6	82.2	82.2	82.2	72.2	62.2	52.2	42.2	32.2	22.2
IV 6000	77.1	72.2	81.9	85.5	91.4	93.9	94.7	84.4	84.4	84.4	74.4	64.4	54.4	44.4	34.4	24.4
IV 5000	77.1	74.1	83.2	87.7	92.9	95.7	95.7	86.1	86.1	86.1	76.1	66.1	56.1	46.1	36.1	26.1
IV 4500	77.1	74.5	83.7	87.7	92.9	95.2	95.2	86.5	86.5	86.5	76.5	66.5	56.5	46.5	36.5	26.5
IV 4000	77.1	74.4	83.6	87.1	93.2	95.3	95.1	86.8	86.8	86.8	76.8	66.8	56.8	46.8	36.8	26.8
IV 3500	77.1	75.5	84.2	88.7	92.4	96.1	96.7	87.4	87.4	87.4	77.4	67.4	57.4	47.4	37.4	27.4
IV 3000	77.1	76.1	85.5	90.3	95.2	97.4	98.1	88.7	88.7	88.7	78.7	68.7	58.7	48.7	38.7	28.7
IV 2500	77.1	77.1	85.9	90.3	95.5	97.7	98.4	89.0	89.0	89.0	79.0	69.0	59.0	49.0	39.0	29.0
IV 2000	77.1	77.1	85.9	90.3	95.5	97.7	98.4	89.0	89.0	89.0	79.0	69.0	59.0	49.0	39.0	29.0
IV 1800	77.1	77.1	85.9	90.3	95.5	97.7	98.4	89.0	89.0	89.0	79.0	69.0	59.0	49.0	39.0	29.0
IV 1500	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 1200	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 1000	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 900	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 800	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 700	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 600	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 500	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 400	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 300	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 200	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 100	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7
IV 0	77.1	77.1	85.9	90.3	95.5	98.1	99.1	89.7	89.7	89.7	79.7	69.7	59.7	49.7	39.7	29.7

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION  
2111

LINE 1, 2A

STATION NAME

1950

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.1	57.7	64.4	53.5	77.4	78.1	73.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 20000	23.1	63.7	71.2	51.1	44.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 18000	24.1	43.6	75.8	51.6	55.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 16000	24.1	43.6	75.8	51.6	55.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 12000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 10000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 9000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 8000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 7000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 6000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 5000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4500	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3500	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2500	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1800	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1500	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1200	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1000	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 900	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 800	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 700	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 600	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 500	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 400	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 300	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 200	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 100	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 0	27.1	44.0	77.1	53.2	57.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

312

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 274040, CA 73-75 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 20000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 18000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 16000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 14000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 12000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 9000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 8000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 6000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4500	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3500	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 2500	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 2000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1800	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1500	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1200	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 1000	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 900	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 800	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 700	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 600	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 500	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 400	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 300	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 200	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 100	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 0	77.0	62.0	63.0	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 20000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 18000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 16000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 14000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 12000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 10000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 9000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 8000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 7000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 6000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 5000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 4500	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 4000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 3500	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 3000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 2500	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 2000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 1800	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 1500	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 1200	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 1000	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 900	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 800	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 700	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 600	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 500	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 400	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 300	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 200	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 100	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1
IV 0	11.7	5.4	3.7	2.6	1.9	1.3	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: 10000 FT, NC YEARS: 72 MONTH: 7

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV 1957

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 18000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 16000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 14000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 12000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 10000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 9000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 8000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 7000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 6000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 5000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 4500	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 4000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3500	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 2500	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 2000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 1800	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 1500	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 1200	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 1000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 900	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 800	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 700	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 600	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 500	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 400	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 300	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 200	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 100	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
18000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
16000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
14000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
12000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
10000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
9000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
8000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
7000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
6000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
5000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
4500	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
4000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
3500	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
3000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2500	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1800	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1500	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1200	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
1000	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
900	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
800	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
700	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
600	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
500	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
400	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
300	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
200	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
100	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
0	1.7	4.2	4.7	4.2	4.4	5.6	6.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1600																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
≥ 20000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 18000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 16000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 14000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 12000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 10000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 9000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 8000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 7000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 6000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 5000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 4500	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 4000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 3500	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 3000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 2500	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 2000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 1800	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 1500	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 1200	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 1000	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 900	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 800	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 700	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 600	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 500	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 400	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 300	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 200	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 100	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2
IV 0	10.0	78.7	50.4	32.4	47.0	51.7	55.1	57.1	57.1	57.8	57.9	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBSERVATIONS

224

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS L E T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.7	39.4	35.1	41.1	51.3	52.3	57.3	51.5	51.1	51.3	51.3	51.5	51.1	51.1	51.1	51.1
≥ 20000	17.7	71.4	35.7	45.7	55.7	58.2	57.7	56.2	54.6	55.6	55.3	55.6	55.3	55.6	55.3	55.3
IN 18000	17.7	51.1	37.1	45.3	55.5	55.2	55.2	59.5	59.5	59.4	59.5	59.5	59.5	59.5	59.5	59.5
IN 16000	17.7	71.4	35.1	45.2	55.2	55.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IN 14000	17.7	73.0	41.1	50.2	62.3	57.2	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IN 12000	17.7	75.0	42.1	50.2	64.2	70.5	73.0	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IN 10000	17.7	75.0	44.3	52.2	67.2	72.4	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IN 9000	17.7	75.0	44.3	52.2	67.0	72.3	75.3	77.0	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IN 8000	17.7	75.0	44.3	54.2	67.0	74.4	77.3	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IN 7000	17.7	75.0	44.3	54.2	70.3	75.4	78.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IN 6000	17.7	75.0	44.3	57.2	70.3	76.3	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IN 5000	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 4500	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 4000	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 3500	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 3000	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 2500	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 2000	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 1800	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 1500	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 1200	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 1000	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 900	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 800	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 700	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 600	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 500	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 400	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 300	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 200	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 100	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 0	17.7	75.0	44.3	57.2	70.3	76.3	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	27.8	33.8	47.1	57.8	67.1	73.8	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	10.7	36.7	44.9	55.9	69.7	73.7	72.4	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 18000	16.6	36.4	47.1	56.2	69.7	71.4	73.1	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 16000	16.6	36.4	47.1	56.2	69.7	71.4	73.1	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 14000	16.6	37.3	47.9	57.6	71.4	73.1	74.4	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 12000	17.7	39.8	50.7	60.3	74.4	75.8	77.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 10000	17.7	41.1	52.3	63.6	77.4	79.8	81.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 9000	19.0	41.9	53.2	64.6	77.8	79.8	81.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000	19.0	42.4	54.6	66.3	78.1	81.3	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 7000	19.0	43.1	55.2	66.0	78.9	81.8	83.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 6000	19.0	43.8	56.8	67.3	80.5	82.0	84.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 5000	21.7	45.8	58.3	67.3	82.8	84.7	86.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 4500	21.7	46.1	58.9	67.4	83.2	85.2	87.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	21.7	47.1	59.7	71.1	84.4	86.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3500	21.7	47.5	60.3	71.4	85.9	87.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 3000	21.7	48.8	61.7	72.4	86.3	88.6	90.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	22.0	50.7	63.8	74.4	89.4	90.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2000	22.0	51.1	63.6	75.1	89.7	91.3	92.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	22.0	51.6	64.3	75.8	89.9	91.7	93.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 500	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 400	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 300	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 200	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 100	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 0	22.0	51.6	64.3	75.8	91.3	91.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS

247

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: DIRNAVOCEANMET SMOS DATE: 7-1-57 MONTH: JULY HOURS: 11 57

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.4	17.3	44.9	57.4	66.7	7.4	60.6	70.0	77.0	73.7	70.9	70.0	70.0	7.4	7.4	7.4
IV 20000	17.1	32.8	40.9	61.2	77.7	72.3	74.6	7.9	75.5	75.0	75.9	75.9	75.9	75.9	75.9	75.9
IV 18000	17.3	40.1	40.9	61.9	7.6	72.7	74.9	75.3	74.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 16000	17.3	40.1	40.9	61.5	77.6	72.0	74.9	75.3	76.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 14000	17.1	41.1	40.9	62.7	71.9	74.7	74.9	75.1	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 12000	17.1	43.3	57.2	65.6	74.4	77.3	79.6	77.0	77.0	78.7	81.3	81.3	81.3	81.3	81.3	81.3
IV 10000	17.1	45.1	55.0	67.3	74.9	79.7	87.3	85.6	85.6	85.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 9000	17.1	45.1	55.5	64.2	77.7	80.3	82.6	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
IV 8000	17.1	46.1	51.5	62.6	75.6	81.6	84.0	85.6	85.6	85.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	17.1	46.1	54.3	62.6	75.6	81.6	84.0	85.6	85.6	85.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 6000	17.1	47.7	58.3	69.7	75.9	81.9	84.3	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3
IV 5000	17.1	47.7	57.5	7.6	72.6	82.6	85.0	86.6	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	17.1	48.3	54.5	71.6	81.6	83.6	86.3	87.6	87.6	87.6	88.0	88.0	88.0	88.0	88.0	88.0
IV 4000	17.1	48.3	54.5	72.6	81.6	84.6	87.0	88.6	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0
IV 3500	17.1	48.3	54.9	72.9	81.9	85.7	87.6	89.3	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6
IV 3000	17.1	50.3	60.9	73.9	83.3	86.0	87.3	90.6	90.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	17.1	52.3	67.6	74.6	86.7	87.3	91.6	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 2000	17.1	53.9	64.2	77.3	86.6	90.0	92.3	94.0	94.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	17.1	53.9	64.3	77.6	87.7	90.3	92.6	94.3	94.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	17.1	53.9	64.6	77.6	87.7	90.3	92.6	94.3	94.7	94.3	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200	17.1	53.9	64.6	77.9	89.7	91.6	94.0	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	17.1	53.9	64.6	77.9	89.7	91.6	94.0	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0
IV 900	17.1	53.9	64.6	77.9	89.7	92.3	95.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	17.1	53.9	64.6	77.9	89.7	92.3	95.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 700	17.1	53.9	64.6	77.9	89.7	92.3	95.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	17.1	53.9	64.6	77.9	89.7	92.3	95.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	17.1	54.2	64.9	74.3	86.6	92.6	95.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	17.1	54.2	64.9	74.3	89.0	93.7	96.0	98.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	17.1	54.2	64.9	74.3	89.0	93.7	96.0	98.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	17.1	54.2	64.9	74.3	89.0	93.7	96.0	98.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	17.1	54.2	64.9	74.3	89.0	93.7	96.0	98.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	17.1	54.2	64.9	74.3	89.0	93.7	96.0	98.3	98.3	98.3	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 245

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: NOV  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS (LST): 0000-2359

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	15.7	47.7	47.7	57.7	65.7	8.7	71.7	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	15.7	42.7	5.7	62.7	70.7	72.7	75.7	7.7	74.7	77.7	74.7	78.7	78.7	78.7	78.7
IV 18000	19.7	42.7	5.7	62.7	70.7	72.7	75.7	76.7	76.7	77.7	76.7	78.7	78.7	78.7	78.7
IV 16000	19.7	42.7	5.7	62.7	7.7	72.7	75.7	76.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	19.7	43.7	5.7	62.7	71.7	73.7	77.7	77.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 12000	10.7	45.7	57.7	65.7	74.7	76.7	79.7	80.7	80.7	81.7	82.7	82.7	82.7	82.7	82.7
IV 10000	11.7	47.7	58.7	67.7	77.7	79.7	82.7	83.7	83.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 9000	11.7	46.7	55.7	67.7	77.7	79.7	83.7	83.7	83.7	84.7	85.7	85.7	85.7	85.7	85.7
IV 8000	11.7	48.7	56.7	69.7	74.7	80.7	83.7	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 7000	11.7	48.7	56.7	69.7	72.7	80.7	83.7	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 6000	15.7	48.7	58.7	73.7	78.7	80.7	84.7	85.7	85.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000	12.7	47.7	59.7	71.7	77.7	82.7	85.7	86.7	86.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4500	15.7	50.7	57.7	72.7	81.7	83.7	87.7	87.7	88.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	23.7	51.7	61.7	74.7	82.7	84.7	87.7	88.7	89.7	90.7	91.7	91.7	91.7	91.7	91.7
IV 3500	23.7	52.7	61.7	74.7	83.7	85.7	88.7	89.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	23.7	52.7	61.7	75.7	83.7	86.7	89.7	90.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	23.7	52.7	62.7	76.7	84.7	87.7	90.7	91.7	92.7	93.7	94.7	94.7	94.7	94.7	94.7
IV 2000	27.7	52.7	62.7	76.7	85.7	87.7	91.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	27.7	53.7	62.7	76.7	85.7	88.7	91.7	92.7	93.7	94.7	95.7	95.7	95.7	95.7	95.7
IV 1500	27.7	53.7	62.7	76.7	85.7	88.7	91.7	92.7	93.7	94.7	95.7	95.7	95.7	95.7	95.7
IV 1200	27.7	53.7	62.7	77.7	86.7	88.7	92.7	93.7	93.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	27.7	53.7	62.7	77.7	86.7	89.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	27.7	53.7	62.7	77.7	86.7	89.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	27.7	53.7	62.7	77.7	86.7	89.7	93.7	94.7	95.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	27.7	53.7	62.7	77.7	85.7	89.7	93.7	95.7	95.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	27.7	53.7	62.7	77.7	86.7	89.7	93.7	95.7	95.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	27.7	53.7	62.7	77.7	86.7	90.7	94.7	95.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	27.7	53.7	62.7	77.7	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	27.7	53.7	62.7	77.7	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	27.7	53.7	62.7	77.7	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	27.7	53.7	62.7	77.7	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	27.7	53.7	62.7	77.7	86.7	90.7	94.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 320

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 73-74 MONTH: NORTH  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) ALL HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.7	33.7	37.7	47.1	54.7	60.7	67.5	74.1	74.2	74.7	75.4	75.4	75.6	75.6	75.6	75.6
IV 20000	11.7	33.7	42.7	50.4	62.7	64.7	67.5	69.2	69.2	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 18000	11.7	33.7	42.7	50.4	61.1	64.7	67.5	69.5	69.7	70.3	70.8	70.9	71.2	71.4	71.7	72.4
IV 16000	11.7	33.7	42.7	50.4	61.1	64.7	67.7	69.5	69.7	70.4	70.8	70.9	71.2	71.4	71.7	72.4
IV 14000	11.7	33.7	43.4	51.6	62.1	66.1	69.3	71.1	71.1	71.6	71.4	71.4	71.7	72.0	73.2	73.1
IV 12000	11.7	33.7	43.1	53.6	64.3	68.1	71.3	73.2	73.2	74.1	74.6	74.6	74.6	74.6	75.6	75.1
IV 10000	11.7	40.1	47.5	56.2	67.1	70.9	74.3	76.3	76.7	76.8	77.4	77.4	77.7	77.9	78.2	78.7
IV 9000	11.7	40.1	47.7	58.4	67.3	71.2	74.6	76.3	76.3	77.1	77.7	77.7	77.7	78.2	78.5	79.0
IV 8000	11.7	41.3	48.7	57.5	68.4	72.3	75.7	77.5	77.6	78.4	79.1	79.3	79.3	79.5	79.4	80.1
IV 7000	11.7	41.3	49.3	58.2	69.3	72.9	76.4	78.2	78.3	79.1	79.6	79.6	79.6	80.2	80.5	81.2
IV 6000	11.7	42.3	49.9	58.7	69.5	73.5	77.0	78.8	78.9	79.4	80.3	80.4	80.7	80.9	81.2	81.9
IV 5000	11.7	43.7	51.3	60.2	71.2	75.1	78.6	80.5	80.6	81.5	82.1	82.1	82.4	82.6	82.5	83.6
IV 4500	11.7	44.1	51.9	60.8	71.8	75.9	79.3	81.3	81.4	82.3	82.9	82.9	83.2	83.4	83.7	84.4
IV 4000	11.7	45.1	52.9	62.2	73.7	77.3	80.5	82.6	82.7	83.6	84.1	84.1	84.4	84.6	84.9	85.7
IV 3500	11.7	45.4	53.5	62.7	73.8	77.8	81.4	83.5	83.6	84.5	85.0	85.1	85.4	85.6	85.9	86.1
IV 3000	11.7	46.3	54.1	63.4	74.1	78.5	82.6	84.7	84.8	85.7	86.2	86.3	86.5	86.7	87.2	87.3
IV 2500	11.7	47.3	55.3	64.6	76.1	80.1	83.9	86.1	86.1	87.1	87.5	87.6	87.9	88.1	88.4	89.1
IV 2000	11.7	47.6	55.6	65.5	77.5	81.3	84.8	87.1	87.2	88.1	88.6	88.6	89.0	89.2	89.5	90.1
IV 1800	11.7	47.8	56.2	66.7	77.7	81.4	85.1	87.4	87.5	88.3	88.9	88.9	89.3	89.5	89.4	90.1
IV 1500	11.7	47.8	56.4	66.8	77.8	82.0	85.7	88.2	88.3	89.3	89.8	89.8	90.2	90.4	90.7	91.4
IV 1200	11.7	47.9	56.4	66.2	78.3	82.4	86.6	88.9	89.0	89.9	90.5	90.5	90.9	91.1	91.4	92.1
IV 1000	11.7	47.9	56.5	66.3	78.3	83.1	87.2	89.7	89.8	90.8	91.3	91.4	91.8	92.0	92.3	93.1
IV 900	11.7	48.1	56.6	66.4	78.7	83.4	87.7	90.1	90.7	91.2	91.7	91.7	92.2	92.4	92.7	93.5
IV 800	11.7	48.1	56.6	66.4	78.4	83.7	88.1	90.5	91.1	91.7	92.3	92.3	92.7	92.9	93.2	94.0
IV 700	11.7	48.3	56.6	66.5	79.1	84.2	88.9	91.1	91.2	92.2	92.3	92.9	93.2	93.4	93.7	94.4
IV 600	11.7	48.3	56.7	66.6	79.1	84.2	88.9	91.6	91.7	92.7	92.8	93.4	93.7	93.9	94.2	95.0
IV 500	11.7	48.1	56.7	66.6	79.2	84.3	89.1	91.9	92.1	93.2	93.9	94.0	94.4	94.6	94.9	95.7
IV 400	11.7	48.1	56.7	66.6	79.2	84.4	89.3	92.3	92.4	93.7	94.7	94.7	95.2	95.4	95.7	96.6
IV 300	11.7	48.1	56.7	66.7	79.3	84.4	89.4	92.4	92.6	93.9	95.0	95.1	95.5	95.8	96.2	97.1
IV 200	11.7	48.1	56.7	66.7	79.3	84.5	89.4	92.4	92.6	93.9	95.2	95.2	95.9	96.3	96.5	97.7
IV 100	11.7	48.1	56.7	66.7	79.3	84.5	89.4	92.4	92.6	93.9	95.2	95.2	95.9	96.3	97.0	98.9
IV 0	11.7	48.1	56.7	66.7	79.3	84.5	89.4	92.4	92.6	93.9	95.2	95.2	95.9	96.3	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC MONTH: NOV  
 YEAR: 1954 HOURS (L & T): 01

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	10.3	19.6	23.6	26.1	31.7	34.3	41.0	43.0	44.0	45.1	47.1	47.7	48.7	49.1	50.7
≥ 20000	10.3	19.6	24.5	26.7	32.7	36.4	47.7	48.2	48.7	48.4	50.3	50.7	50.4	42.0	57.6
IV 18000	10.3	19.6	24.6	30.0	34.5	37.1	43.1	47.1	48.1	48.7	50.3	51.0	50.7	50.1	57.6
IV 16000	10.3	19.6	24.9	31.0	34.5	37.1	43.1	46.1	48.7	48.7	51.7	51.0	50.3	50.1	57.6
IV 14000	10.3	20.0	25.0	32.0	34.5	37.1	43.7	46.0	47.4	48.4	51.7	51.0	50.4	50.5	57.6
IV 12000	10.3	20.7	25.5	31.0	35.7	38.4	44.0	47.0	48.4	50.7	52.3	52.7	54.8	54.8	57.6
IV 10000	10.3	21.0	25.5	31.0	37.4	40.0	46.5	48.7	50.7	51.7	54.7	54.8	54.8	57.7	57.6
IV 9000	10.3	21.0	25.9	31.7	37.4	40.0	46.5	48.8	50.7	51.7	54.7	54.8	54.8	57.7	57.6
IV 8000	10.3	22.4	26.1	33.4	38.7	41.0	48.4	51.7	51.7	54.7	56.3	57.1	57.1	59.0	57.6
IV 7000	10.3	22.4	26.4	33.5	39.7	42.3	48.7	51.7	52.0	54.8	56.3	57.4	57.4	59.4	57.6
IV 6000	10.3	22.6	26.7	34.3	40.7	43.7	50.0	53.0	53.0	56.3	58.1	58.7	58.7	60.7	57.6
IV 5000	10.3	22.9	31.7	36.8	41.7	44.7	51.7	53.9	54.7	56.7	58.0	58.7	58.7	61.6	57.6
IV 4500	10.3	23.0	31.7	36.5	41.7	44.4	51.9	54.0	55.0	58.1	58.3	58.3	58.3	63.2	57.6
IV 4000	10.3	23.7	31.7	37.1	42.4	45.0	52.0	55.3	56.5	58.7	61.7	61.0	61.0	67.0	57.6
IV 3500	10.3	23.9	31.3	37.4	42.0	45.0	53.0	56.1	57.1	58.4	61.0	60.3	60.3	64.5	57.6
IV 3000	10.3	24.3	32.3	38.4	43.0	46.8	54.2	57.1	58.1	60.3	62.6	63.2	65.5	65.5	57.6
IV 2500	10.3	25.7	33.7	38.7	45.0	48.1	56.1	58.4	58.7	62.6	64.5	65.5	67.7	67.7	57.6
IV 2000	10.3	26.5	34.7	40.7	46.0	49.7	57.7	61.0	61.0	64.5	66.5	67.1	67.0	67.0	57.6
IV 1800	10.3	26.6	34.5	40.7	47.1	50.0	58.1	61.0	62.3	64.5	67.1	67.7	67.7	70.5	57.6
IV 1500	10.3	27.1	34.5	41.6	47.1	51.0	58.4	62.0	64.7	66.5	69.4	70.1	70.1	72.3	57.6
IV 1200	10.3	27.4	35.0	42.3	48.7	51.0	60.7	64.2	65.5	68.1	70.7	71.5	71.5	73.0	57.6
IV 1000	10.3	27.4	35.2	42.3	48.7	51.9	60.7	65.2	66.5	69.7	71.5	72.3	74.5	74.5	57.6
IV 900	10.3	27.4	35.2	42.3	48.7	51.9	60.7	65.2	66.5	69.7	71.6	72.3	74.8	74.5	57.6
IV 800	10.3	27.4	35.2	42.3	48.7	51.9	60.7	65.2	66.5	69.7	71.6	72.3	74.8	74.5	57.6
IV 700	10.3	27.4	35.2	42.3	48.7	51.9	60.7	65.2	66.5	69.7	71.6	72.3	74.8	74.5	57.6
IV 600	10.3	27.4	35.2	42.3	48.7	51.9	60.7	65.5	66.5	69.4	71.6	72.6	75.2	75.2	57.6
IV 500	10.3	27.4	35.3	42.3	48.7	51.9	61.0	66.5	67.7	71.7	73.5	74.2	74.8	76.8	57.6
IV 400	10.3	27.4	35.2	42.3	48.7	51.9	61.0	66.5	67.7	71.6	74.2	74.8	77.0	77.4	57.6
IV 300	10.3	27.4	35.3	42.3	48.7	51.9	61.0	66.5	68.1	72.6	75.2	75.3	79.7	79.7	57.6
IV 200	10.3	27.4	35.2	42.3	48.7	51.5	61.0	67.8	69.7	74.5	77.7	74.4	81.3	81.3	57.6
IV 100	10.3	27.4	35.2	42.3	48.7	51.9	61.0	67.7	69.7	74.8	79.0	80.0	84.0	84.0	57.6
IV 0	10.3	27.4	35.2	42.3	48.7	51.9	61.0	67.7	69.7	74.8	79.4	80.0	83.2	87.4	57.6

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1950

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.4	18.7	21.3	24.5	30.1	33.6	37.4	41.3	43.7	43.5	45.2	45.5	46.5	47.1	48.1	51.1
≥ 20000	10.4	19.0	21.3	24.5	31.3	34.1	37.5	42.3	43.7	42.3	43.7	42.3	43.7	45.4	46.1	50.0
≥ 18000	10.4	19.3	22.3	25.3	31.7	35.2	40.3	43.2	44.7	41.5	43.4	42.7	43.7	45.4	46.7	50.7
≥ 16000	10.4	19.3	22.3	25.3	31.4	35.3	40.3	43.2	44.2	41.5	43.4	42.7	43.7	45.4	46.7	50.7
≥ 14000	10.4	19.3	22.3	24.1	31.7	35.4	40.7	43.2	44.5	41.5	43.4	42.7	43.7	45.4	46.7	50.7
≥ 12000	10.4	20.0	22.3	24.5	32.0	36.1	41.3	44.5	45.7	42.1	43.7	42.7	43.7	45.4	46.7	50.7
≥ 10000	10.4	21.0	24.3	24.1	34.5	38.1	43.2	46.4	47.7	44.7	45.1	45.1	46.6	47.1	48.5	52.4
≥ 9000	10.4	21.0	24.3	24.1	34.5	38.1	43.2	46.4	47.7	44.7	45.1	45.1	46.6	47.1	48.5	52.4
≥ 8000	10.4	21.0	24.3	24.1	34.5	38.1	43.2	46.4	47.7	44.7	45.1	45.1	46.6	47.1	48.5	52.4
≥ 7000	10.4	22.0	25.3	24.4	35.7	39.4	44.4	46.4	47.7	44.7	45.1	45.1	46.6	47.1	48.5	52.4
≥ 6000	10.4	22.0	25.3	24.4	35.7	39.4	44.4	46.4	47.7	44.7	45.1	45.1	46.6	47.1	48.5	52.4
≥ 5000	10.4	22.0	25.3	24.4	35.7	39.4	44.4	46.4	47.7	44.7	45.1	45.1	46.6	47.1	48.5	52.4
≥ 4500	10.4	22.0	25.3	24.4	35.7	39.4	44.4	46.4	47.7	44.7	45.1	45.1	46.6	47.1	48.5	52.4
≥ 4000	10.4	23.2	27.1	26.7	37.0	41.3	47.7	51.3	52.9	54.2	54.5	56.7	57.1	58.7	59.7	61.6
≥ 3500	10.4	23.6	27.4	26.7	37.7	41.6	48.1	51.6	53.2	54.5	54.8	57.1	57.1	58.7	59.7	61.6
≥ 3000	10.4	23.6	27.4	26.7	37.7	41.6	48.1	51.6	53.2	54.5	54.8	57.1	57.1	58.7	59.7	61.6
≥ 2500	10.4	24.5	27.4	26.7	38.7	42.6	49.0	53.9	54.5	54.1	54.4	56.7	57.1	58.7	59.7	61.6
≥ 2000	10.4	25.8	30.3	32.0	40.7	44.5	51.0	55.2	57.1	57.1	57.1	59.7	60.7	62.3	62.3	64.8
≥ 1800	10.4	26.1	31.7	33.9	41.0	45.2	51.6	55.2	57.7	59.7	59.7	61.6	61.6	63.2	63.2	64.8
≥ 1500	10.4	26.3	31.7	34.3	41.3	45.2	52.2	57.4	59.0	60.7	60.7	62.3	62.3	63.2	63.2	64.8
≥ 1200	10.4	26.3	31.7	34.3	41.3	45.2	52.2	57.4	59.0	60.7	60.7	62.3	62.3	63.2	63.2	64.8
≥ 1000	10.4	26.3	31.7	34.3	41.3	45.2	52.2	57.4	59.0	60.7	60.7	62.3	62.3	63.2	63.2	64.8
≥ 900	10.4	26.3	31.7	34.3	41.3	45.2	52.2	57.4	59.0	60.7	60.7	62.3	62.3	63.2	63.2	64.8
≥ 800	10.4	26.3	31.7	34.3	41.3	45.2	52.2	57.4	59.0	60.7	60.7	62.3	62.3	63.2	63.2	64.8
≥ 700	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3
≥ 600	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3
≥ 500	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3
≥ 400	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3
≥ 300	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3
≥ 200	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3
≥ 100	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3
≥ 0	10.4	27.1	31.3	35.2	42.6	47.1	53.9	59.7	61.6	63.2	63.2	65.8	66.1	67.4	68.4	70.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME: YEARS: MONTH: HOURS (L & S):

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 20000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 18000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 16000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 14000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 12000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 10000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 9000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 8000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 7000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 6000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 5000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 4500	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 4000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 3500	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 3000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 2500	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 2000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 1800	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 1500	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 1200	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 1000	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 900	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 800	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 700	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 600	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 500	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 400	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 300	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 200	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 100	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0
IV 0	1.4	12.4	14.4	17.1	19.0	23.4	27.4	30.7	31.0	34.4	34.4	36.4	37.7	37.4	41.0

TOTAL NUMBER OF OBSERVATIONS: 710

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
≥ 20000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 18000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 16000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 14000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 12000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 10000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 9000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 8000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 7000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 6000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 5000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 4500	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 4000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 3500	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 3000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 2500	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 2000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 1800	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 1500	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 1200	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 1000	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 900	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 800	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 700	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 600	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 500	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 400	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 300	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 200	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 100	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0
IV 0	11.1	14.5	15.5	15.5	21.1	22.1	21.1	25.5	25.5	40.0	41.5	41.5	41.5	47.0	47.0	47.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
≥ 20000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 18000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 16000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 14000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 12000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 10000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 9000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 8000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 7000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 6000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 5000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 4500	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 4000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 3500	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 3000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 2500	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 2000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 1800	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 1500	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 1200	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 1000	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 900	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 800	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 700	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 600	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 500	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 400	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 300	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 200	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 100	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1
IV 0	14.1	17.1	21.1	24.1	28.1	32.1	36.1	40.1	44.1	48.1	52.1	56.1	60.1	64.1	68.1	72.1

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 12 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
≥ 20000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 18000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 16000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 14000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 12000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 10000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 9000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 8000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 7000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 6000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 5000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 4500	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 4000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 3500	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 3000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 2500	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 2000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 1800	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 1500	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 1200	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 1000	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 900	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 800	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 700	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 600	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 500	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 400	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 300	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 200	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 100	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0
IV 0	11.4	19.4	27.3	35.2	43.1	51.0	58.9	66.8	74.7	82.6	90.5	98.4	106.3	114.2	122.1	130.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
≥ 20000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
18000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
16000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
14000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
12000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
10000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
9000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
8000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
7000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
6000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
5000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
4500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
4000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
3500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
3000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
2500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
2000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
1800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
1600	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
1400	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
1200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
1000	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
900	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
800	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
700	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
600	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
500	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
400	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
300	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
200	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
100	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0
0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 20000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 20000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 18000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 16000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 14000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 12000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 10000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 9000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 8000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 7000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 6000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 5000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 4500	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 4000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 3500	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 3000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 2500	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 2000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 1800	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 1500	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 1200	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 1000	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 900	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 800	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 700	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 600	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 500	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 400	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 300	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 200	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 100	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7
IV 0	1.7	17.4	21.7	24.4	17.5	15.4	41.5	44.7	45.7	47.1	44.4	41.7	43.4	41.7	41.7	41.7

TOTAL NUMBER OF OBSERVATIONS 2478

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION NAME STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 20000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 18000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 16000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 14000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 12000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 10000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 9000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 8000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 7000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 6000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 5000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4500	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3500	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2500	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1800	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1500	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1200	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1000	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 900	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 800	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 700	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 600	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 500	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 400	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 300	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 200	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 100	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 0	55.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 2015

DIRNAVOCEANMET SMOS

73-A2

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	20.0			18.4						16.1	43.5	6.4	310
	04	18.1			12.1						14.2	42.7	6.8	310
	07	9.0			19.4						14.4	53.2	7.6	310
	10	9.0			14.1						19.4	53.5	7.6	310
	13	8.7			18.5						27.7	47.1	7.7	310
	16	8.1			25.5						27.7	38.7	7.1	310
	19	17.7			27.1						17.7	37.4	6.2	310
	22	22.6			20.3						15.5	41.6	6.2	310
							</							

NAVWEASERVCOM



73-22

STATION

STATION NAME

PERIOD

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
FEB	01	33.3			21.3						16.7	24.7	5.0	242
	04	26.4			19.1						15.6	36.9	5.7	262
	07	7.8			27.3						25.9	39.0	7.0	262
	10	11.7			20.2						26.2	41.8	7.2	262
	13	17.3			25.9						27.7	36.2	6.9	262
	16	17.6			24.8						30.9	33.7	6.9	262
	19	16.7			33.3						20.9	29.1	5.8	262
	22	27.7			30.9						16.7	24.8	4.9	242
TOTALS		16.3			25.4						22.6	33.8	6.2	2256

NAVWEASERVCOM

73-P2

STATION

STATION NAME

PERIOD

— MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	36.1			21.6						15.2	25.2	4.5	310
	04	33.2			23.5						16.1	27.1	4.9	310
	07	13.9			30.0						29.4	26.9	6.2	310
	10	14.2			26.8						31.3	27.7	6.4	310
	13	11.7			21.9						39.7	27.1	6.9	310
	16	10.2			28.1						33.2	26.4	6.7	310
	19	15.2			34.2						31.9	18.7	5.8	310
	22	31.9			27.1						17.4	23.5	4.7	310
TOTALS		21.0			26.7						26.8	25.6	5.8	2490

NAVWEASERVCOM

73-24

2P 17

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	31	54.7			15.3						12.7	16.3	3.3	300
	28	53.3			15.7						13.7	14.7	3.2	300
	31	36.7			27.7						22.0	13.7	4.2	300
	1	30.7			29.0						24.7	16.3	4.7	300
	15	21.3			33.7						27.7	18.0	5.2	300
	15	23.3			32.3						27.0	17.7	5.2	300
	15	24.3			41.3						21.3	13.0	4.5	300
	22	50.7			23.0						15.0	11.3	3.2	300
TOTALS		36.8			27.7						20.3	15.1	4.2	2400

NAVWEASERVCOM

73-82

484

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	69.0			17.1						8.4	5.5	1.8	310
	04	62.6			22.6						10.0	4.8	2.1	310
	07	44.8			30.3						14.2	10.6	3.3	310
	10	41.0			31.3						17.7	9.0	3.4	310
	13	37.4			28.7						22.9	11.0	4.0	310
	16	31.9			34.2						25.2	8.7	4.2	310
	19	33.5			36.8						23.2	6.5	3.8	310
	22	61.8			23.2						8.4	6.5	2.1	310
TOTALS		47.7			28.0						16.3	7.8	3.1	2490

**NAYWEASERVCOM**

73-22

439

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	76.0			13.0						7.7	3.3	1.8	370
	04	62.7			26.0						8.3	3.0	1.8	360
	07	54.0			28.0						12.7	5.3	2.5	300
	10	47.3			30.7						17.3	4.7	2.9	300
	13	39.3			41.7						12.7	7.3	3.1	370
	16	35.3			44.3						13.3	7.0	3.2	370
	19	44.3			31.7						15.7	6.3	3.0	370
	22	69.3			17.0						10.3	3.3	1.8	370
TOTALS		53.7			29.1						12.3	5.0	2.5	2400

NAVWEASERVCOM

72-22

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	01	82.9			9.7						6.1	1.3	1.0	310
	04	76.5			16.1						6.1	1.3	1.2	310
	07	63.1			22.6						7.1	2.3	1.5	310
	10	61.0			28.4						9.4	1.3	1.6	310
	13	55.2			32.3						10.3	2.3	2.1	310
	16	53.9			31.6						11.6	2.9	2.3	310
	19	55.2			33.2						10.3	1.3	2.1	310
	22	77.7			15.5						5.8	1.0	1.1	310

NAVWEASERVCOM

73-52

STATION

STATION NAME

PERIOD

MONTA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
1931	01	77.7			13.9						6.4	1.6	1.2	310
	04	77.7			15.2						4.8	2.3	1.1	310
	07	51.6			26.8						10.0	2.6	2.0	310
	10	52.4			26.8						11.6	3.2	2.2	310
	13	53.5			30.6						12.6	3.2	2.4	310
	16	50.0			34.2						12.3	3.5	2.5	310
	19	53.2			34.5						10.0	2.3	2.2	310
	22	72.6			12.4						5.2	2.3	1.3	310
TOTALS		63.0			25.2						9.2	2.5	1.9	2450

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FD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	74.7			14.3						6.3	4.7	1.5	370
	04	74.0			15.0						6.0	5.0	1.5	370
	07	57.0			25.3						12.0	5.7	0.4	370
	10	55.3			25.0						13.0	6.7	2.6	370
	13	49.3			31.3						14.0	6.3	2.4	370
	16	50.3			27.7						14.7	5.3	2.7	370
	19	55.3			29.0						11.0	4.7	2.3	370
	22	72.0			17.0						6.3	4.7	1.5	370
								</						

NAVWEASERVCOM



## SKY COVER

27110 LEMPORE, CA

73-02

22

## STATION

STATION NAME

PERIOD

## MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
CT	01	63.2			16.6						10.6	9.4	2.4	310
	04	56.7			22.3						2.7	9.4	2.4	310
	07	40.0			32.9						14.1	9.1	3.6	310
	10	44.2			27.1						21.3	7.4	3.5	310
	13	41.0			27.1						22.3	9.7	3.8	310
	16	41.9			24.9						24.1	8.4	3.8	310
	19	49.7			22.9						12.4	6.1	3.2	310
	22	60.3			18.1						11.3	10.3	2.6	310
TOTALS		500.0			240.0						17.1	9.0	3.2	2480

NAVWEASERVCOM

73-82

## STATION

STATION NAME

PERIOD

MONTA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	37.0			26.7						14.7	21.7	4.3	20
	04	32.7			29.3						11.3	26.7	4.6	20
	07	14.7			22.7						25.3	29.3	4.2	30
	10	15.7			29.3						24.0	30.0	4.0	30
	13	18.0			30.0						26.0	23.0	5.7	10
	16	20.0			28.3						27.7	24.0	5.7	30
	19	30.0			30.3						22.3	17.3	4.7	30
	22	35.7			29.0						13.7	21.7	4.3	30
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NAVWEASERVCOM

414

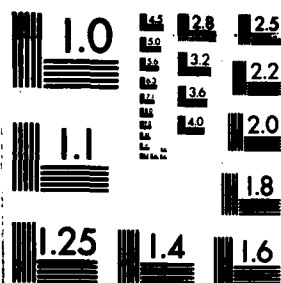
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

73-42

DEC

STATION

STATION NAME

PERIOD

**CONTINUED**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	21.6			21.0						19.0	38.6	6.2	310
	04	18.7			21.9						16.1	43.2	6.4	310
	07	9.4			24.8						22.9	42.9	7.1	310
	10	10.0			25.5						15.8	48.7	7.1	310
	13	8.7			25.8						22.9	42.6	7.1	310
	16	12.0			28.5						23.0	36.6	6.6	309
	19	22.0			29.4						16.5	32.0	5.6	309
	22	25.2			24.9						14.2	35.6	5.6	309
TOTALS		16.0			25.2						18.8	40.0	6.5	2477

**NAVWEASERVCOM**

# SKY COVER

23110 LEMOORE, CA

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	14.2			20.6						19.6	45.6	7.0	2400
FEB		18.3			25.4						22.6	33.8	6.2	2256
MAR		21.7			26.7						26.9	25.6	5.8	2480
APR		36.8			27.7						20.3	15.1	4.2	2400
MAY		47.9			28.0						16.3	7.8	3.1	2480
JUN		53.7			29.1						12.3	5.0	2.5	2400
JUL		66.3			23.7						8.3	1.7	1.6	2400
AUG		63.0			25.2						9.2	2.6	1.9	2480
SEP		60.9			23.3						10.4	5.4	2.2	2400
OCT		50.0			24.0						17.1	9.0	3.2	2480
NOV		25.7			29.1						21.0	24.2	5.2	2400
DEC		16.0			25.2						18.8	40.0	6.5	2477
TOTALS		39.5			25.7						16.9	18.0	4.1	29213

NAYWEASERVCOM

NOCD, Federal Building  
Asheville, N. C.

## PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry-bulb temperatures spread vertically in four degree increments and horizontally in eight wind directions (plus calm).



4

## DAILY TEMPERATURES

2110  
STATION

LEMOORE, CA

STATION NAME

61-82

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
11						1.3	1.6	.7					.3
105					.5	8.3	15.9	9.1	1.7				1.0
100				.3	4.9	24.1	54.8	39.0	11.2	.7			11.4
95				1.6	16.7	44.0	80.7	68.3	33.9	5.1			21.2
90			.2	6.3	33.7	64.0	92.5	86.4	55.9	15.3			29.9
85			1.5	15.7	54.2	82.2	98.4	95.6	78.3	32.8	.8		35.7
80		1.0	6.5	31.4	72.7	94.6	100.0	99.4	92.1	55.4	6.4	.1	47.1
75	.3	4.6	18.6	50.5	84.5	98.6		99.7	98.5	72.6	14.6	.6	54.2
70	2.5	17.2	37.6	70.0	94.8	99.8		100.0	99.7	88.3	31.2	2.1	62.3
65	11.1	38.6	64.5	85.6	98.3	100.0			100.0	97.9	53.2	8.4	71.6
60	25.4	66.6	85.6	96.5	99.5					99.7	74.7	26.1	81.2
55	49.6	86.2	97.1	99.4	100.0					100.0	92.0	50.4	89.5
50	74.5	97.5	99.7	100.0							98.3	74.6	95.3
45	83.9	99.5	100.0								99.7	90.7	94.3
40	98.3	100.0									100.0	97.9	94.7
35	99.8											100.0	100.0
30	100.0												100.0
25													
20													
15													
10													
5													
0													
MEAN	44.6	62.5	87.6	74.9	85.1	92.8	99.2	96.9	90.5	80.3	65.5	54.3	77.1
S.D.	7.646	7.273	7.822	9.113	9.247	8.441	5.71	6.462	7.462	8.549	11.253	7.467	17.123
TOTAL OBS.	551	593	651	630	651	630	668	642	561	682	66	681	719

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# DAILY TEMPERATURES

2 11  
STATION

L. MUOHT, CA

STATION NAME

61-82

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75							1.5	1.9	.2				.7
74						7.3	10.2	9.5	1.5				.1
73						13.3	32.3	27.0	7.7	.1			6.9
72				.5	8.9	36.5	68.2	60.7	32.5	3.8	.2		17.8
71		.3	.8	3.5	25.5	66.3	92.2	91.2	61.7	17.7	1.4	.3	30.5
70	4.3	7.3	8.3	14.6	61.6	92.4	99.7	99.1	87.4	44.1	8.8	3.4	44.7
69	13.1	21.6	24.4	41.6	86.0	99.4	100.0	100.0	97.6	72.1	27.9	10.6	56.2
68	31.2	49.4	58.1	76.2	96.8	100.0			100.0	90.8	52.9	27.3	73.5
67	52.7	73.7	83.1	95.7	99.7					96.1	77.1	53.0	86.1
66	79.4	91.7	97.5	100.0	100.0					99.9	92.9	80.0	95.1
65	91.7	99.3	99.7								99.1	94.0	98.6
64	99.4	100.0	100.0							100.0	100.0	99.7	99.7
63	99.8											100.0	100.0
62	100.0												100.0
61													
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2													
1													
0													
MEAN	57.5	57.2	60.8	63.4	61.1	67.6	62.2	61.4	56.4	48.3	40.0	35.4	67.8
S.D.	7.616	6.689	6.034	5.587	5.900	5.894	5.498	5.580	5.870	6.558	6.963	7.024	11.431
TOTAL OBS.	651	593	651	630	651	630	668	682	660	682	640	681	7839

NAVWEASERVCOM

4

## DAILY TEMPERATURES

2011  
STATIONL. MOORE, CA  
STATION NAME61-62  
YEARSCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

L. 11

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2						.6	3.4	2.3					.6
3					.3	10.6	24.7	17.4	2.6				6.7
4				.2	6.1	29.0	63.2	49.9	17.1	.4			14.1
5				1.3	18.9	52.5	89.4	80.5	43.9	7.6			24.7
6			.3	6.0	41.6	79.8	98.7	97.2	75.9	22.7			30.6
7		.2	3.4	22.2	72.2	76.3	100.0	99.9	94.3	51.0	2.4	.4	45.7
8	2.1	8.9	18.7	48.7	88.8	99.8		100.0	99.7	74.9	15.5	1.0	55.2
9	9.4	27.5	45.9	75.1	97.5	100.0			100.0	98.9	42.9	6.0	66.5
10	24.1	54.3	79.6	94.3	100.0					99.1	69.5	22.2	74.0
11	50.1	89.4	97.4	99.7						99.7	89.5	51.4	84.7
12	82.8	99.2	99.8	100.0						100.0	100.0	83.3	97.0
13	96.5	100.0	100.0									98.8	99.9
14	99.4											100.0	99.9
15	100.0												100.0
16													
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100													
MEAN	4.3	31.1	54.2	59.5	68.3	75.4	81.9	79.4	73.7	64.5	53.0	44.2	62.5
S.D.	1.121	5.493	5.564	6.479	6.966	6.631	4.990	5.363	5.779	6.572	6.102	5.740	13.37
TOTAL OBS.	51	593	651	670	651	630	668	682	66	682	66	651	739

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

27110

LEMOORE, CA

1962-1983

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	47.2	4.9	48.9	9.4	63	17.2	1980	33.0	.6	21	-6.1	1975
2	41.5	5.3	49.8	9.9	59	15.0	1980	33.1	.6	20	-6.7	1976
3	42.2	5.7	50.6	10.3	62	16.7	1981	33.2	1.0	23	-5.0	1977
4	42.0	5.6	50.6	10.3	58	14.4	1975*	33.3	.7	20	-6.7	1977
5	43.6	6.4	51.9	11.1	63	17.2	1978	35.3	1.8	22	-5.6	1973
6	42.2	5.7	51.7	10.9	64	17.8	1963	32.8	.4	27	-6.7	1977
7	42.5	5.8	51.6	10.9	64	17.8	1975	33.3	.7	27	-6.7	1973
8	40.2	6.8	53.3	11.8	65	18.3	1978*	35.0	1.7	25	-3.9	1982
9	44.7	7.2	53.7	12.1	65	20.0	1963	36.1	2.3	24	-4.4	1964
10	43.4	7.4	53.8	12.1	66	18.9	1967	37.0	2.8	27	-2.8	1982
11	45.1	7.4	54.0	12.2	66	18.9	1980	36.6	2.6	24	-4.4	1964
12	45.2	7.9	55.2	12.9	71	21.7	1980	37.1	2.8	20	-6.7	1963
13	45.1	7.8	55.3	12.9	69	20.6	1981	36.8	2.7	15	-9.4	1963
14	45.4	7.4	54.6	12.6	69	20.6	1981	36.2	2.3	18	-7.8	1963
15	46.2	7.9	56.0	13.3	75	23.9	1974	36.3	2.4	20	-6.7	1963
16	46.1	8.2	56.0	13.3	72	22.2	1970	37.6	3.1	20	-6.7	1963
17	46.5	8.1	55.5	13.1	71	21.7	1981	37.6	3.1	27	-6.7	1963
18	46.3	7.9	55.5	13.1	74	23.3	1981	37.1	2.8	27	-6.7	1963
19	46.7	8.3	56.0	13.3	78	25.6	1981	37.7	3.2	22	-5.6	1963
20	47.2	8.4	56.5	13.6	73	22.8	1981	37.9	3.3	19	-7.2	1963
21	47.2	9.4	57.5	14.2	72	22.2	1981	37.0	2.8	22	-5.6	1963
22	46.2	7.9	56.9	13.9	71	21.7	1970	35.5	1.9	22	-5.6	1963
23	46.3	7.9	57.7	14.3	74	23.3	1970	34.9	1.6	14	-10.0	1962
24	45.9	7.7	56.5	13.6	68	20.0	1975	35.3	1.8	21	-6.1	1962
25	45.6	7.6	57.5	14.2	72	22.2	1975	33.7	.9	24	-4.4	1966
26	46.3	7.9	56.6	13.7	66	18.9	1976*	35.9	2.2	29	-1.7	1971
27	45.6	7.6	55.6	13.1	68	20.0	1981	35.6	2.0	26	-3.3	1979
28	45.5	7.5	55.2	12.9	71	21.7	1976	35.7	2.1	24	-4.4	1968
29	45.5	7.5	55.3	12.9	70	21.1	1976	35.6	2.0	23	-5.0	1979
30	45.5	7.7	54.6	12.6	66	18.9	1976	37.0	2.8	25	-3.9	1975
31	45.7	7.8	54.9	12.7	72	22.2	1976	37.2	2.9	28	-2.2	1975
Monthly	45.1	7.3	54.5	12.5	75	25.6	1981	35.7	2.1	14	-10.0	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

0115

LEMOORE, CA

1962-1983

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	48.6	8.1	55.5	13.1	73	22.2	1976		37.7	3.2	22	-1.7	1972
2	46.3	8.3	56.3	13.5	75	23.9	1976		37.4	3.0	28	-2.2	1972
3	47.7	8.4	58.2	14.6	75	23.9	1976		36.1	2.3	25	-3.9	1972
4	47.6	9.2	58.4	14.7	74	23.3	1963		35.8	3.8	24	-2.2	1972
5	49.2	9.6	58.6	14.8	78	25.6	1963		39.7	4.3	27	-2.8	1982
6	49.1	9.5	58.3	14.6	72	22.2	1963		40.0	4.4	29	-1.7	1982
7	47.2	9.6	60.0	15.6	72	22.2	1963		38.4	3.6	28	-2.2	1964
8	50.2	10.1	61.0	16.1	72	22.2	1975		39.4	4.1	29	-1.7	1982
9	50.6	10.3	59.9	15.5	67	19.4	1980		41.2	5.1	28	-2.2	1964
10	50.7	10.4	61.0	16.1	72	22.2	1974		40.5	4.7	29	-1.7	1965
11	50.5	10.3	62.0	16.7	74	23.3	1972		39.1	3.9	24	-4.4	1965
12	51.1	10.6	62.5	16.9	72	22.2	1981		39.7	4.3	25	-3.9	1965
13	51.5	10.8	62.4	16.9	72	22.2	1977*		40.6	4.8	27	-2.8	1966
14	51.2	11.0	63.2	17.3	73	22.8	1977*		40.4	4.7	25	-3.9	1966
15	51.3	10.7	63.3	17.4	81	27.2	1977		39.4	4.1	25	-3.9	1964
16	50.3	10.4	62.8	17.1	79	26.1	1977		38.9	3.8	24	-4.4	1966
17	51.6	10.9	63.5	17.5	74	23.3	1977		39.6	4.2	24	-4.4	1964
18	51.2	10.9	64.5	18.1	80	26.7	1977		38.6	3.7	28	-2.2	1964
19	52.7	11.6	65.0	18.3	80	26.7	1977		40.5	4.7	31	-1.1	1964
20	51.3	11.1	64.4	18.0	77	25.0	1982		39.5	4.2	31	-0.6	1964
21	51.1	11.7	67.1	19.5	81	27.2	1982		39.1	3.9	28	-2.2	1971
22	52.6	11.4	65.5	18.6	79	26.1	1981		39.7	4.3	28	-2.2	1975
23	52.6	11.4	65.5	18.6	82	27.8	1981		39.7	4.3	32	.0	1975
24	53.0	11.7	66.5	19.2	76	24.4	1972		39.5	4.2	28	-2.2	1965
25	52.7	11.5	65.7	18.7	77	25.7	1974		39.6	4.2	31	-0.6	1977
26	52.2	11.2	65.6	18.7	75	23.9	1971		38.8	3.8	23	-3.9	1964
27	53.2	11.9	66.5	19.2	79	26.1	1972		40.4	4.7	21	-4.1	1971
28	53.4	11.9	65.9	18.8	80	26.7	1975		40.8	4.9	23	-3.9	1971
29	54.1	12.3	65.6	18.7	76	24.4	1965		42.6	5.9	32	.0	1964
30													
31													
Monthly	51.3	10.6	62.5	16.9	82	27.8	1981		39.4	4.1	21	-4.1	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

211

LINDSEY, CA

1962-1983

A-C

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C
1	52.7	11.5	63.9	17.7	82	27.8	1975		41.5	5.3	25	-2.2
2	51.4	10.8	63.1	17.3	75	23.9	1972		39.9	4.4	22	-5.6
3	50.9	10.3	63.3	17.2	76	24.4	1972		38.9	3.3	25	-3.9
4	51.1	10.6	63.9	17.7	81	27.2	1968		38.4	3.6	23	-5.0
5	52.1	11.2	64.6	18.1	83	28.3	1972		39.6	4.2	28	-2.2
6	52.7	11.5	66.6	19.2	83	28.3	1972		38.8	3.8	26	-3.3
7	53.5	11.9	66.5	19.2	84	28.9	1972		40.5	4.7	21	-6.6
8	53.1	12.2	67.3	19.6	84	28.9	1972		40.5	4.7	25	-3.9
9	54.4	12.4	67.6	19.8	74	25.6	1979		41.3	5.2	29	-1.7
10	54.2	12.3	65.3	18.5	80	26.7	1983		43.2	6.2	33	.6
11	54.5	12.5	66.5	19.2	77	25.0	1981		42.5	5.8	21	-1.1
12	54.0	12.3	65.8	18.8	76	24.4	1983		42.7	5.9	25	1.7
13	55.0	11.6	65.6	18.7	79	24.1	1972		40.1	4.5	28	-2.2
14	52.4	11.3	65.5	18.6	74	25.6	1972		39.3	4.1	30	-1.1
15	53.5	11.9	67.4	19.7	84	28.9	1972		39.6	4.2	33	.6
16	55.4	13.0	69.3	20.7	89	31.7	1972		41.5	5.3	34	1.1
17	54.6	12.6	68.5	20.3	90	32.2	1972		40.4	4.9	30	-1.1
18	54.0	12.2	67.5	19.7	82	27.8	1972		40.6	4.8	20	-1.1
19	53.3	12.1	63.5	20.3	79	26.1	1972		39.7	3.9	20	-1.1
20	54.4	12.4	69.5	20.8	83	28.3	1972		39.4	4.1	22	.7
21	55.1	12.8	69.5	20.8	83	28.3	1983		40.7	4.4	34	1.1
22	55.3	12.9	69.3	20.7	81	27.2	1977		41.2	5.1	31	-6.6
23	54.6	12.6	68.4	20.2	72	25.6	1966		40.3	4.9	23	.6
24	54.3	12.7	69.7	20.9	73	25.6	1977		40.0	4.4	23	.6
25	55.7	12.8	65.6	20.3	72	25.6	1966		41.4	5.0	31	-6.6
26	55.1	12.8	68.5	20.3	72	26.1	1969		41.8	5.4	32	.0
27	56.7	13.7	70.7	21.5	87	26.7	1969		42.8	6.0	27	-2.8
28	55.6	13.1	70.3	21.3	84	28.9	1969		41.7	5.0	32	.0
29	56.7	13.7	72.4	22.0	86	30.0	1969		41.0	5.0	30	-1.1
30	57.7	14.0	72.2	22.3	89	31.1	1968		42.2	5.7	30	-1.1
31	56.5	13.6	70.5	21.4	87	31.7	1966		42.5	5.8	22	.0
Monthly	54.7	12.3	67.6	19.8	91	32.2	1972		40.7	4.8	22	-5.6

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION LIMBORG, CA

1962-1983

1981

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	4.7	12.4	54.0	20.0	90	32.2	1966	40.7	4.8	3	-1.1	1967
2	5.5	12.7	69.1	20.6	87	30.6	1966	40.4	4.7	71	-6	1963
3	5.5	13.1	71.0	21.7	83	31.1	1966	42.0	4.4	73	.6	1973
4	57.5	14.2	72.8	22.7	86	30.0	1971	42.2	5.7	72	.7	1973
5	59.2	15.1	74.4	23.6	91	32.8	1971	43.9	6.6	74	3.3	1973
6	56.7	13.8	70.5	21.4	80	31.7	1977	43.3	6.3	35	1.7	1964
7	58.2	13.4	71.1	21.7	93	33.7	1977	41.7	5.2	32	.0	1975
8	57.1	13.9	73.0	22.8	85	29.4	1974	41.3	5.2	73	.6	1967
9	57.7	14.1	72.1	22.3	87	30.6	1968	42.5	5.8	46	0.2	1977
10	58.1	14.5	72.3	22.4	93	32.2	1969	44.7	6.7	77	2.8	1971
11	57.7	14.4	73.6	23.1	91	32.4	1968	42.3	5.7	77	2.6	1967
12	59.6	15.3	75.8	24.3	91	32.4	1962	43.5	6.4	76	2.2	1963
13	59.3	15.3	75.3	24.1	94	34.4	1962	43.6	6.4	35	1.7	1963
14	59.9	15.5	74.8	23.9	97	33.3	1962	45.1	7.3	36	2.2	1963
15	59.4	15.2	75.1	23.9	94	34.4	1964	43.7	6.5	72	.0	1970
16	59.4	15.2	76.2	24.6	95	35.7	1966	42.5	5.9	70	-1.1	1967
17	59.9	15.2	75.1	23.9	92	33.7	1981	43.6	6.4	35	1.7	1976
18	57.6	14.2	71.7	22.1	97	32.2	1962	43.5	6.4	32	.0	1975
19	59.7	14.6	72.7	22.6	86	30.0	1987*	43.6	6.4	35	1.7	1967
20	59.7	14.7	74.4	23.6	87	30.6	1977	42.6	5.9	72	.7	1976
21	59.9	14.9	75.9	24.3	88	31.1	1977*	42.0	5.5	23	.6	1971
22	60.5	15.8	77.4	25.2	97	32.2	1962	43.7	6.5	35	1.7	1971
23	60.7	15.9	77.9	25.5	97	36.1	1962	43.6	6.4	35	2.2	1967
24	61.9	16.6	77.2	25.1	92	33.3	1966	46.7	8.2	36	3.3	1971
25	60.3	15.7	76.7	24.8	95	35.7	1966	44.7	7.1	36	2.2	1969
26	61.1	16.2	76.7	24.8	92	33.3	1973*	45.5	7.5	34	3.3	1975
27	62.8	17.1	79.5	26.4	97	36.1	1965	46.7	7.8	37	2.8	1970
28	63.6	17.6	79.9	26.6	99	37.2	1965	47.2	8.4	33	.6	1970
29	63.3	17.4	80.2	26.9	100	37.8	1981	46.5	8.1	30	-1.1	1967
30	64.3	18.2	81.8	27.7	102	38.9	1981	47.8	8.8	35	1.7	1967
31												
Monthly	59.1	15.1	74.7	23.7	102	34.9	1981	43.6	6.4	70	-1.1	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

2011 L. MCGEE, CO 1962-1983  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	4.0	17.8	50.7	27.1	95	35.7	1981	47.3	8.5	34	1.1	1967
2	4.2	17.9	51.6	27.6	99	37.2	1966	46.8	8.2	34	1.7	1964
3	5.2	18.4	52.3	27.7	102	38.9	1966	48.7	8.9	34	1.1	1964
4	4.0	17.8	77.2	26.2	90	32.2	1980*	46.7	9.3	35	1.7	1964
5	2.2	16.8	76.0	25.6	92	33.3	1962	46.3	7.9	35	1.7	1964
6	2.0	16.7	77.9	25.5	97	33.3	1962	46.2	7.9	37	2.3	1977
7	4.2	17.9	51.0	27.2	97	36.1	1974*	47.5	8.6	37	2.8	1964
8	5.2	18.4	52.0	27.8	99	37.2	1974	48.5	9.2	39	3.3	1964
9	5.3	18.5	52.5	26.9	97	33.3	1974*	57.0	10.0	35	3.7	1979
10	5.5	18.6	51.5	27.5	96	35.6	1969	49.4	9.7	41	5.7	1963
11	5.5	18.8	52.9	28.3	97	36.1	1969	48.7	9.3	39	3.9	1963
12	67.0	19.6	54.6	29.2	102	39.9	1976	57.0	10.0	45	4.4	1963
13	57.0	20.3	56.1	30.1	105	40.6	1976	50.9	11.5	39	3.3	1967
14	57.0	20.6	55.8	29.9	104	40.0	1972	52.4	11.3	44	6.7	1967
15	6.0	20.4	56.7	30.4	102	39.9	1972	50.9	10.5	44	6.7	1967
16	58.5	20.2	56.1	30.1	99	37.2	1973	50.5	10.3	43	6.1	1977
17	58.6	20.9	56.5	31.4	100	37.8	1973*	50.8	10.4	43	6.1	1977
18	50.7	21.5	59.0	31.7	103	39.4	1973	52.4	11.3	41	5.0	1962
19	50.3	21.3	57.8	31.0	99	37.2	1973	52.2	11.6	42	5.6	1974
20	57.5	20.8	57.0	30.4	102	39.9	1966	52.1	11.2	37	2.4	1960
21	57.7	20.4	55.5	29.7	101	39.3	1967	52.0	11.1	43	6.1	1975
22	59.3	20.7	56.6	30.3	104	40.0	1967	52.0	11.1	45	7.2	1965
23	57.8	21.2	57.4	30.8	102	39.9	1967	53.0	11.7	42	5.6	1965
24	59.9	21.1	57.1	30.6	102	39.9	1982	52.3	11.6	42	4.4	1967
25	57.0	21.7	58.2	31.2	102	39.9	1982	53.7	12.1	37	2.4	1965
26	57.0	21.9	58.4	31.3	104	40.0	1974	54.6	12.6	41	5.0	1962
27	57.8	21.6	57.2	30.7	107	41.7	1974	54.5	12.5	45	7.8	1967
28	57.5	21.9	58.0	31.6	104	40.0	1983	54.3	12.4	46	7.8	1975
29	57.2	22.3	59.5	31.9	107	41.7	1973	55.0	12.8	46	7.8	1975
30	52.0	22.5	50.5	32.5	104	40.0	1975	54.5	12.5	44	6.7	1967
31	57.2	22.3	59.8	32.1	103	39.4	1975	54.5	12.5	43	6.1	1962
Monthly	57.0	20.1	55.3	29.5	107	41.7	1974*	51.0	10.6	34	1.1	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	72.2	22.2	80.9	31.6	111	38.3	1979	55.2	12.9	44	6.7	1971
2	72.3	22.3	80.1	31.7	107	39.4	1979*	55.4	13.0	46	7.8	1971
3	71.7	22.2	80.3	31.5	102	38.9	1979*	54.6	12.9	46	7.8	1967
4	71.7	22.7	71.1	32.0	101	39.7	1981*	54.6	12.9	44	6.7	1962
5	74.5	23.5	71.5	33.1	107	41.7	1981	57.1	13.9	46	7.8	1982
6	74.7	23.7	71.2	32.9	107	41.7	1978	58.1	14.5	47	8.3	1965
7	74.7	23.4	71.2	32.7	107	41.7	1977	57.3	14.1	48	8.9	196
8	72.7	22.6	69.7	32.1	106	41.1	1973	55.6	13.1	47	8.3	1964
9	72.3	22.4	69.8	32.1	107	40.6	1973	56.2	13.8	48	8.9	1967
10	72.1	22.3	68.6	31.4	105	40.6	1975	55.6	13.1	43	6.1	1967
11	72.5	22.8	69.9	32.2	105	42.8	1979	55.2	12.9	43	8.9	1976
12	72.3	22.9	70.3	32.4	105	42.8	1979	56.1	13.4	46	8.9	1971
13	73.8	23.2	70.9	32.7	105	40.6	1975	56.8	13.8	50	10.0	1980
14	74.1	23.4	70.9	32.7	108	42.2	1966	57.3	14.1	49	9.4	1981
15	75.4	24.1	73.7	34.3	103	42.2	1966	57.1	13.9	47	8.3	1973
16	76.7	24.7	74.7	34.9	107	41.7	1965	58.3	14.6	49	9.4	1965
17	76.7	24.6	73.6	34.2	105	40.6	1963	58.7	14.8	50	10.0	1973
18	76.7	24.4	73.3	34.1	106	41.1	1968	58.7	14.8	49	9.4	1973
19	77.1	25.1	75.3	35.2	106	41.1	1962	59.0	15.0	49	9.4	1964
20	77.1	25.6	76.3	35.7	108	42.2	1973	59.6	15.3	51	10.6	1975
21	77.8	25.4	76.2	35.7	112	44.4	1973	59.4	15.2	51	10.6	1963
22	77.1	25.6	76.8	36.9	109	42.2	1981	59.3	15.2	51	10.6	1970
23	77.1	25.1	74.8	34.9	107	41.7	1964	59.4	15.2	50	10.0	1963
24	76.7	24.6	74.7	34.8	110	43.3	1964	58.7	14.8	48	8.9	1963
25	77.7	25.2	75.2	35.1	111	43.9	1977*	59.4	15.2	49	9.4	1975
26	77.7	25.2	75.3	35.2	108	41.1	1981*	58.8	14.9	49	9.4	1971
27	77.7	25.2	75.8	35.4	111	43.3	1976	58.8	14.9	51	10.6	1964
28	77.7	25.6	76.7	35.9	112	44.4	1976	59.3	15.2	50	10.0	1962
29	77.7	25.1	74.8	34.9	107	41.7	1972	59.7	15.4	47	8.3	1963
30	76.7	24.9	75.1	35.1	111	43.3	1972	58.8	14.9	50	10.0	1968
31												
Monthly	75.1	24.5	72.8	33.8	112	44.4	1976	57.6	14.2	43	6.1	1957

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

2 31C

LIMODP, CA

1961-1983

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	77.0	25.3	95.8	35.4	110	43.3	1972	59.3	15.2	53	11.7	1973
2	76.9	24.9	94.8	34.4	107	41.7	1967	59.6	15.3	47	8.3	1963
3	77.0	25.3	95.5	35.3	111	43.3	1967	59.4	15.2	50	10.0	1966
4	78.4	25.8	97.0	36.1	117	43.7	1967	59.8	15.4	48	8.9	1964
5	77.6	26.6	98.3	36.8	111	43.7	1968	61.3	16.3	52	11.1	1964
6	75.9	26.1	97.7	36.5	104	40.7	1968*	60.2	15.7	52	11.1	1969
7	77.4	25.5	96.1	35.6	102	38.9	1967	59.7	15.4	53	11.7	1973
8	77.1	25.7	96.5	35.8	104	40.0	1965	60.1	15.6	53	11.7	1963
9	77.7	25.7	96.7	35.9	107	41.7	1978	60.7	15.9	48	8.9	1963
10	77.1	26.2	97.9	36.6	105	41.1	1973	60.4	15.8	53	11.7	196
11	76.7	26.5	98.8	37.1	106	41.1	1968*	60.6	15.9	52	11.1	1971
12	76.0	26.7	98.8	37.1	117	43.3	1967	61.1	16.2	51	10.6	1966
13	76.0	27.2	100.0	37.8	110	43.3	1972*	62.0	16.7	50	11.1	1962
14	76.0	27.8	101.3	38.5	113	45.7	1972	62.8	17.1	54	12.2	1966
15	76.0	27.8	100.2	37.9	112	44.4	1972	63.8	17.7	54	12.2	1966
16	76.0	27.4	99.3	37.4	107	42.8	1979	63.3	17.4	52	11.1	1963
17	76.0	26.9	98.6	37.0	107	41.7	1977	62.1	16.7	54	12.2	1962
18	76.0	27.3	99.7	37.6	108	42.2	1961	62.8	17.1	55	12.8	1963
19	76.0	27.6	100.0	37.8	111	43.7	1964	63.1	17.3	55	12.8	1963
20	76.0	27.2	99.1	37.3	109	42.7	1963	62.7	17.1	53	11.7	1972
21	76.0	27.0	99.0	37.2	108	42.7	1969	62.2	16.9	52	11.1	1973
22	76.0	27.7	101.0	38.3	108	42.2	1967	62.5	16.9	56	13.3	1973
23	76.0	28.2	101.0	38.8	108	42.2	1974	63.4	17.4	55	12.8	1973
24	76.0	27.9	101.0	38.3	108	42.2	1975*	63.7	17.6	55	12.8	1973
25	76.0	27.8	100.4	38.0	107	42.2	1975*	63.6	17.6	55	12.8	1963
26	76.0	28.1	101.7	38.7	113	45.0	1975	63.6	17.6	54	12.2	1963
27	76.0	28.2	101.5	38.6	108	42.7	1987*	64.1	17.8	54	12.2	1972
28	76.0	28.3	101.5	38.6	109	42.7	1980	64.5	18.1	56	13.3	1979
29	76.0	28.2	100.9	38.3	108	42.2	1980	64.6	18.1	57	13.9	1967
30	76.0	27.4	98.8	36.5	104	41.1	1977	64.1	17.8	54	12.2	1961
31	76.0	27.4	100.0	37.8	107	41.7	1979	62.8	17.1	55	12.8	1961
Monthly	76.0	27.0	99.7	37.2	113	45.7	1975*	62.1	16.7	47	8.3	1963

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

2 110  
STATION

L MOORE, JR  
STATION NAME

1961-1983  
YEARS

AUGUST  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	71.9	27.7	100.9	38.1	107	41.7	1979*		63.3	17.4	56	13.3	1975	
2	72.7	28.1	101.3	38.5	110	43.3	1971		63.7	17.6	57	13.9	1992*	
3	71.4	27.6	99.9	37.7	107	41.7	1975		63.3	17.4	51	10.6	1963	
4	70.9	27.2	99.2	37.3	109	42.2	1975		62.7	17.1	55	12.8	1963	
5	70.3	26.8	99.0	37.2	108	42.2	1978		61.7	16.5	56	13.3	1968*	
6	71.2	27.3	99.5	37.5	117	43.3	1978		62.8	17.1	56	13.3	1962	
7	72.0	27.8	99.2	37.3	109	42.2	1983		60.9	16.2	54	12.2	1975	
8	71.3	27.7	99.9	37.7	109	42.2	1981		63.8	17.7	56	13.3	1976	
9	72.2	27.9	100.3	37.9	108	42.2	1981*		64.2	17.9	53	14.4	1973	
10	72.9	29.3	100.1	37.8	108	42.2	1971		65.8	18.8	53	11.7	1973	
11	71.4	27.7	99.1	37.3	106	41.1	1971		64.6	18.1	54	13.3	1962	
12	71.1	27.2	98.1	36.7	108	42.2	1967		63.8	17.7	55	12.8	1964	
13	71.1	26.2	96.1	35.6	108	42.2	1967		62.0	16.7	55	12.8	1963	
14	71.8	25.4	94.7	34.8	109	42.2	1967		61.0	16.1	51	10.6	1980	
15	71.2	26.3	96.7	35.9	112	44.4	1967		62.0	16.7	52	11.1	1972	
16	71.3	26.6	97.6	36.4	109	42.2	1967		62.0	16.7	51	10.6	1972	
17	71.7	26.4	97.0	36.1	108	42.2	1967		62.0	16.7	48	8.9	1968	
18	71.3	26.1	96.1	35.6	111	43.2	1967		61.9	16.6	54	12.2	1963	
19	71.3	25.5	94.8	34.7	111	43.7	1967		61.4	16.3	53	11.7	1963	
20	71.3	25.0	94.3	34.6	106	41.1	1967		59.6	15.3	53	11.7	1974*	
21	71.7	25.4	95.7	35.4	104	40.0	1967*		59.7	15.4	52	11.1	1965	
22	71.3	25.2	94.8	34.9	104	40.0	1967		59.8	15.4	51	10.6	1968	
23	71.3	25.2	95.0	35.0	104	40.0	1982*		59.7	15.4	48	8.9	1973	
24	71.0	25.0	94.3	34.6	105	40.6	1974*		59.8	15.4	48	8.9	1963	
25	71.6	25.3	94.8	34.9	105	40.6	1974		60.3	15.7	52	11.1	1963	
26	71.7	24.6	93.8	34.3	105	40.6	1967		58.7	14.8	49	9.4	1963	
27	71.2	24.6	94.6	34.8	104	40.0	1967*		57.0	14.4	57	10.0	1966	
28	71.7	25.4	95.5	35.3	106	41.1	1981		59.9	15.5	53	11.7	1981	
29	71.4	25.2	95.1	35.1	104	40.7	1981*		59.7	15.4	48	8.9	1962	
30	71.4	24.7	93.7	34.3	107	41.7	1968		59.1	15.1	50	10.0	1966	
31	71.7	24.6	93.5	34.2	108	42.2	1967		59.0	15.0	52	11.1	1963	
Monthly	71.3	26.3	96.9	36.1	112	44.4	1967		61.6	16.4	48	8.9	1973*	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

21110

LIM0007, 00

1961-1993

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	76.0	24.4	93.7	34.3	103	39.4	1976	58.3	14.6	44	8.9	1971		
2	77.4	25.2	95.1	35.1	105	40.6	1976	59.7	15.4	44	8.9	1971		
3	77.4	25.2	96.0	35.6	102	38.9	1976*	58.8	14.9	48	8.9	1971		
4	76.5	24.7	93.4	34.1	103	39.4	1975	59.6	15.3	50	10.0	1962		
5	77.5	25.3	95.0	35.0	105	40.6	1975	59.9	15.5	51	10.6	1975		
6	77.7	25.1	94.5	34.7	107	41.7	1977	59.9	15.5	47	8.3	1964		
7	76.5	24.7	94.2	34.6	105	41.1	1977	58.7	14.8	47	8.3	1964		
8	76.7	24.4	93.0	33.9	106	41.1	1982	59.7	15.0	47	8.3	1978		
9	76.8	24.9	93.8	34.3	104	40.0	1977	59.8	15.4	49	9.4	1965		
10	75.7	24.3	93.0	33.9	102	38.9	1971*	58.4	14.7	52	11.1	1961		
11	75.4	24.1	92.8	33.8	101	38.3	1981*	58.0	14.4	46	7.8	1972		
12	75.4	24.1	92.9	33.8	106	41.1	1983	58.0	14.4	49	9.4	1966		
13	73.5	23.1	90.7	32.6	106	41.1	1971	56.3	13.5	44	6.7	1970		
14	72.3	22.4	89.1	31.7	106	41.1	1971	55.4	13.0	44	6.7	1970		
15	72.8	22.7	90.5	32.5	107	41.7	1971	55.3	12.9	42	5.6	1970		
16	72.7	22.7	89.8	32.1	105	40.6	1971	56.7	13.3	46	7.8	1970		
17	72.5	22.5	88.7	31.5	102	38.9	1979	56.3	13.5	48	9.9	1977		
18	71.9	22.2	86.8	31.4	102	37.9	1968	57.0	13.9	46	7.8	1961		
19	70.7	21.5	86.7	30.8	99	36.7	1974*	54.7	12.6	43	6.1	1978		
20	70.0	21.1	87.0	30.6	100	37.8	1967	57.0	11.7	43	6.1	1974		
21	69.6	21.0	87.2	30.7	99	37.2	1974	52.3	11.3	41	5.0	1968		
22	71.4	21.9	89.1	31.7	100	37.8	1974	53.7	12.1	42	5.6	1965		
23	71.4	21.9	89.4	31.7	100	37.8	1974	53.4	11.9	45	7.2	1968		
24	73.8	22.7	90.1	32.3	99	37.2	1974*	55.5	13.1	49	9.4	1973		
25	72.3	22.4	88.7	31.5	101	38.3	1978	56.0	13.3	48	8.9	1973		
26	72.0	22.2	89.0	31.7	105	40.6	1963	55.1	12.8	47	8.3	1971		
27	72.0	22.2	88.5	31.4	103	39.4	1963	55.5	13.1	48	8.9	1962		
28	71.5	21.9	88.0	31.1	99	37.2	1970	55.0	12.8	45	7.2	1971		
29	70.8	21.6	85.6	29.8	100	37.8	1969	56.0	13.3	44	6.7	1965		
30	70.0	21.2	86.5	30.3	98	36.7	1978	53.9	12.2	41	5.0	1962		
31														
Monthly	73.6	23.1	90.6	32.6	107	41.7	1977*	56.6	13.7	41	5.0	1962*		

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

2110

L. MOORE, CA

1961-1963

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	70.4	21.3	67.3	19.6	100	37.8	1983		53.4	12.1	43	6.1	1982
2	70.7	21.2	67.3	19.7	100	37.8	1980		53.2	11.8	40	4.4	1971
3	69.7	21.9	63.2	29.6	100	37.8	1980		54.2	12.3	42	5.6	1973
4	70.0	21.1	66.6	30.3	102	38.9	1980		53.3	11.8	44	6.7	1973
5	69.7	20.9	66.3	30.2	98	36.7	1980		53.1	11.7	42	5.6	1969
6	69.0	20.6	66.4	30.2	96	35.6	1971		51.5	10.8	39	3.9	1962
7	67.2	19.6	62.6	28.1	97	36.1	1971		51.9	11.1	40	4.4	1967
8	66.4	19.1	62.6	28.1	99	37.2	1980		50.3	10.2	40	4.4	1970
9	67.2	19.6	63.3	28.5	98	36.7	1971		51.1	10.6	38	3.3	1961
10	67.3	19.6	63.4	28.5	94	34.4	1971		51.2	10.7	37	2.8	1961
11	66.6	19.2	62.6	28.1	93	33.9	1964		50.7	10.4	40	4.4	1973
12	66.7	19.4	62.7	28.2	97	36.1	1964		51.0	10.6	36	3.3	1961
13	66.7	18.9	62.1	27.8	96	35.6	1978		49.9	9.9	35	3.9	1961
14	65.3	18.5	61.5	27.5	99	37.2	1978		49.1	9.5	36	2.2	1966
15	64.6	18.1	60.3	26.8	101	38.3	1961		49.0	9.4	38	3.3	1962
16	63.9	17.5	70.1	26.2	96	35.6	1961		47.9	8.8	38	3.3	1966
17	63.3	17.4	70.8	26.6	95	35.0	1974		46.8	8.2	36	2.2	1962
18	62.3	17.2	70.7	26.5	94	34.4	1961		46.2	7.9	34	1.1	1971
19	61.6	16.1	61.2	27.3	90	32.2	1981		48.0	8.9	36	2.2	1969
20	63.7	17.2	75.5	25.0	90	32.2	1964		47.5	8.6	36	2.2	1969
21	62.3	16.9	76.3	25.7	93	33.9	1964		46.7	8.2	37	2.8	1969
22	62.7	17.1	79.0	26.1	90	32.2	1965		46.5	8.1	35	1.7	1961
23	62.0	16.7	78.0	25.6	94	34.4	1965		46.0	7.8	33	-1.1	1961
24	62.0	16.7	77.7	25.0	91	32.8	1966		46.2	7.9	33	.6	1975
25	62.0	16.7	77.9	25.5	93	33.9	1966		46.2	7.9	33	.6	1971
26	60.7	15.8	75.0	23.9	88	31.1	1983		46.0	7.8	34	1.1	1971
27	59.8	15.4	74.7	23.7	89	31.7	1983		45.0	7.2	35	1.7	1970
28	59.9	15.5	75.3	24.1	91	32.8	1968		44.5	6.9	33	.6	1970
29	58.2	14.6	72.8	22.7	86	30.0	1965		43.7	6.5	30	-1.1	1971
30	57.3	14.0	72.2	22.3	84	30.0	1965		42.3	5.7	24	-4.9	1971
31	57.7	14.4	73.7	23.2	86	30.0	1980		42.3	5.7	32	.0	1972
Monthly	64.5	18.1	70.4	26.3	102	38.9	1980		48.5	9.3	24	-4.9	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

01110

L MOORE, VA

1961-1983

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C
1	58.2	14.6	74.6	23.7	87	30.6	1962		41.9	5.5	28	-2.2
2	58.2	14.6	74.1	23.4	86	30.0	1966		42.3	5.7	29	-1.7
3	58.5	14.7	74.7	23.7	83	28.3	1962		42.3	5.7	34	1.1
4	58.5	14.7	73.3	22.9	85	29.4	1980		43.6	6.4	27	-2.6
5	57.7	14.3	71.5	21.9	83	28.3	1981		43.9	6.6	23	.6
6	56.5	13.6	70.0	21.1	82	27.8	1978*		43.0	6.1	36	2.2
7	57.3	14.1	71.9	22.2	83	28.3	1980		42.7	5.9	32	.0
8	56.7	13.7	70.9	21.6	81	27.2	1978*		42.5	5.8	22	.0
9	56.7	13.3	70.3	21.3	80	26.7	1978*		41.8	5.4	33	.6
10	56.1	13.4	69.1	20.6	81	27.2	1973		43.0	6.1	33	.6
11	55.1	13.2	67.8	19.9	77	25.0	1962		43.7	6.5	34	1.1
12	54.7	12.6	67.3	19.6	77	25.0	1981*		42.0	5.6	31	-.6
13	53.7	12.1	65.7	18.7	78	25.6	1969		41.7	5.4	33	.6
14	54.1	12.2	66.2	19.0	87	26.7	1967		41.8	5.4	30	-1.1
15	53.7	12.1	65.7	18.7	79	26.1	1981		41.6	5.3	30	-1.1
16	52.3	11.3	63.9	17.7	79	26.1	1981		40.8	4.9	27	-2.8
17	52.6	11.4	64.1	17.8	78	25.6	1967		41.1	5.1	27	-2.8
18	50.4	10.2	63.2	17.3	74	23.3	1966		37.6	3.1	22	-5.6
19	49.6	9.8	62.6	17.0	75	23.9	1966		36.5	2.5	25	-3.9
20	47.8	9.9	62.5	16.9	76	24.4	1974		37.2	2.9	24	-4.4
21	47.5	9.7	61.3	16.3	71	21.7	1981		37.6	3.1	25	-3.9
22	47.9	9.9	60.6	15.9	73	22.8	1980		39.2	4.0	28	-2.2
23	49.7	9.8	60.2	15.7	75	23.9	1981		39.3	4.1	30	-1.1
24	49.1	9.5	61.0	16.1	71	21.7	1974		37.1	2.8	27	-2.8
25	44.2	9.0	59.0	15.0	69	20.6	1977*		37.5	3.1	26	-3.3
26	47.3	8.5	59.2	15.1	70	21.1	1962		35.5	1.9	26	-3.3
27	47.7	8.7	59.4	15.2	67	19.4	1982*		36.3	2.2	24	-4.4
28	47.5	8.6	58.4	14.7	66	18.9	1970		36.6	2.6	22	-5.6
29	47.6	8.7	59.8	15.4	69	20.6	1980		35.4	1.9	26	-3.3
30	47.7	8.8	54.4	14.7	70	22.2	1973		37.4	3.0	23	-5.0
31												
Monthly	52.0	11.6	65.6	18.7	87	30.6	1962		40.1	4.5	22	-5.6

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

2 110

LEMOORE, CA

1961-1983

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	44.4	9.1	54.3	12.6	68	20.0	1983	39.5	3.6	29	-1.7	1962
2	47.3	8.5	57.9	14.4	71	21.7	1979	36.7	2.6	24	-4.4	1969
3	47.6	8.7	56.3	14.6	71	23.3	1979	36.9	2.7	24	-3.3	1969
4	46.7	8.2	57.1	13.9	67	20.6	1979	36.2	2.3	24	-4.4	1968
5	45.3	7.7	55.6	13.1	67	19.4	1962	36.0	2.2	25	-3.9	1973
6	45.2	7.3	54.6	12.6	69	20.9	1966	35.7	2.1	24	-2.2	1975
7	44.5	7.5	54.8	12.7	69	20.6	1979	36.2	2.3	24	-4.4	1977
8	44.5	6.9	54.3	12.4	74	23.3	1979	34.7	1.5	22	-5.6	1976
9	44.5	6.9	54.7	12.6	67	19.4	1979	34.3	1.3	23	-5.0	1971
10	44.5	7.0	54.8	12.7	65	18.3	1983	34.4	1.3	23	-5.0	1981
11	44.3	7.1	54.7	12.6	65	18.3	1969	34.6	1.6	24	-4.4	1981
12	43.5	6.4	54.3	12.4	69	20.6	1969	32.7	.4	22	-5.6	1981
13	44.7	6.7	54.3	12.4	70	21.1	1969	33.7	.9	24	-4.4	1983
14	44.7	6.8	54.0	12.2	75	23.9	1962	34.5	1.4	23	-5.0	1967
15	44.7	7.2	55.2	12.7	77	25.7	1962	34.7	1.5	24	-4.4	1980
16	44.5	6.9	54.8	12.7	69	20.6	1981	34.3	1.3	23	-5.0	1967
17	44.1	7.3	55.2	12.9	66	18.9	1983	34.9	1.6	21	-6.1	1971
18	44.1	7.0	55.0	12.3	71	21.7	1979	34.3	1.3	21	-6.7	1971
19	45.2	7.3	54.7	12.6	80	26.7	1981	35.7	2.1	21	-6.1	1975
20	45.1	7.4	55.7	13.2	72	22.2	1969	36.3	2.4	22	-5.6	1971
21	45.2	7.9	54.9	12.7	61	20.0	1969	37.5	3.1	22	-5.6	1968
22	45.4	8.0	54.8	12.7	70	22.2	1964	38.1	3.4	22	-5.6	1968
23	45.7	7.6	54.2	12.3	72	22.2	1964	37.3	2.9	22	-5.6	1965
24	46.1	7.8	54.3	12.4	73	22.8	1964	37.8	3.2	25	-3.9	1974
25	45.1	7.3	54.0	12.2	67	19.4	1983	36.2	2.3	24	-4.4	1962
26	45.5	6.9	52.4	11.3	57	15.7	1983	36.5	2.5	20	-6.7	1962
27	45.0	7.2	53.8	12.1	61	17.2	1983	36.2	2.3	18	-7.8	1962
28	45.0	7.2	53.3	11.9	64	18.9	1977	36.8	2.7	22	-5.6	1962
29	44.6	7.0	53.9	11.7	68	20.0	1977	35.8	2.1	19	-7.2	1967
30	44.7	6.7	52.4	11.3	66	18.9	1981	35.7	2.1	24	-4.4	1969
31	42.2	5.7	50.1	10.1	60	15.6	1979	34.2	1.2	23	-5.0	1978
Monthly	45.2	7.3	54.7	12.6	80	26.7	1981	35.7	2.1	18	-7.8	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS





## EXTREME VALUES

27113  
STATIC

LEMOORE, CA

61-82

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]**SMOS**

MINIMUM TEMPERATURE:  
(FROM DAILY OBSERVATIONS)

**YEARS**

## SMOS

## EXTREME VALUES

22110  
STATIC

LENDORF, CA

61-3?

STATION NAME

**YEARS**

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

## SMOS

## EXTREME VALUES

27110  
STATION

LEMCORE, CA  
STATION NAME

61-87

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YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

## SMOS

4

NOV 2 1975 54321

## PSYCHROMETRIC SUMMARY

27117 LEMORE, CA

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
75 / 77																			1	1					
74 / 73										.0		.0							2	2					
72 / 71					.0		.0	.0	.1										5	5					
70 / 69			.0					.2	.0										8	8					
68 / 67			.0				.1	.2											8	8					
66 / 65		.0	.0	.1		.2	.4	.2											23	23	1				
64 / 63		.2	.2	.1	.2	.3	.4	.0											32	32	3				
62 / 61	.0	.1	.3	.2	.3	.2	.1												34	34	7				
60 / 59	.0	.2	.6	.6	.6	.4	.0												61	61	12				
58 / 57	.2	.5	1.1	.6	.6	.3	.1	.0											83	83	24				
56 / 55	.6	.7	1.3	.8	.7	.3	.1	.1											115	115	81				
54 / 53	.9	1.2	2.1	1.4	.7	.2	.2												168	168	123				
52 / 51	.6	2.0	2.3	.9	.9	.3	.2												179	179	132				
50 / 49	.8	2.3	2.5	1.1	.7	.3	.0												192	192	177				
48 / 47	.8	3.1	2.8	1.0	.4	.0													202	202	196				
46 / 45	1.1	5.4	3.3	.7	.2	.0													265	265	247				
44 / 43	1.2	5.2	2.6	.3	.1														234	234	294				
42 / 41	1.3	4.6	1.8	.3	.1														199	199	284				
40 / 39	1.9	5.4	1.1	.3	.0														217	217	267				
38 / 37	.9	4.0	.9	.2															150	150	206				
36 / 35	.8	1.9	.6	.1															48	88	129				
34 / 33	.7	2.0	.4																77	77	93				
32 / 31	.4	1.4	.3																50	50	78				
30 / 29	.2	1.3	.2																44	44	53				
28 / 27	.2	.6																	18	18	36				
26 / 25	.2	.2																	11	11	18				
24 / 23	.2	.2																	9	9	11				
22 / 21	.0	.1																	4	4	6				
20 / 19	.0																		1	1	2				
18 / 17																									
16 / 15																									
TOTAL	17.3	42.7	24.5	8.7	5.6	2.6	1.7	.8	.2	.0		.0							2480		2480				
																			2480						
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	16526290		199094		80.3		14.900		2480		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb	5390468		113694		45.8		8.479		2480			41.1	7.2	.9			744.0								
Wet Bulb	4692317		106389		42.9		7.195		2480			61.2					744.0								
Dew Point	4020211		98053		39.5		7.606		2480			122.7					744.0								

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## PSYCHROMETRIC SUMMARY

27111  
STATIONLEMOORE, CA  
STATION NAME73-82  
YEARSFEB  
MONTHPAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
77 / 77									.0	.0	.1	.1	.0					7	7						
76 / 77								.0	.0	.0								2	2						
76 / 75								.0	.0	.0	.0							7	7						
74 / 73						.1		.0	.1	.0								9	9						
72 / 71						.1	.2	.1	.2									14	14						
70 / 69				.1	.2	.4	.4	.3	.1									34	34						
68 / 67				.1	.2	.6	.4	.2										34	34						
66 / 65				.3	.6	.4	.5	.5										53	53						
64 / 63		.1	.2	.5	.9	.6	.2	.2	.1									65	65	8					
62 / 61		.2	.4	.9	1.2	.6	.4	.4										88	88	20	3				
60 / 59		.4	1.1	1.7	1.0	1.5	.7	.1	.1									135	135	47	2				
58 / 57		.8	1.3	1.6	1.2	.9	.3											131	131	73	13				
56 / 55		1.9	2.5	2.5	.8	.6	.2											190	190	127	30				
54 / 53	.2	2.1	2.9	1.9	.4	.2	.0											170	170	196	79				
52 / 51	.4	2.4	3.2	1.2	.3	.1												173	173	223	135				
50 / 49	.6	3.2	3.7	1.1	.3	.0												201	201	250	218				
48 / 47	.4	5.1	2.6	.9	.0	.1												209	209	264	187				
46 / 45	.7	4.9	1.9	.4	.1													178	178	252	256				
44 / 43	.6	3.6	1.6	.0	.1													134	134	211	260				
42 / 41	.9	3.1	1.2	.3														125	125	162	254				
40 / 39	.5	2.7	.9	.0														95	95	129	221				
38 / 37	.7	2.3	.4	.1														79	78	112	154				
36 / 35	.9	1.9	.4															72	72	74	163				
34 / 33	.4	1.0	.1															33	33	71	108				
32 / 31	.0	.2	.0															7	7	18	73				
30 / 29	.2	.3																11	11	13	31				
28 / 27		.0																1	1	5	22				
26 / 25																				1	24				
24 / 23																					3				
22 / 21																					2				
TOTAL	4.6	36.2	24.3	13.5	7.2	5.7	3.2	2.1	.8	.2	.1	.1	.0					2256	2256		2256				
																						2256	2256	2256	
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.	13633698		171626		76.1		15.998		2256		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total						
Dry Bulb	4704537		114597		50.8		9.018		2256				5.7	31.9	7.4	.6			672.0						
Wet Bulb	530960		105428		46.7		6.793		2256				11.0						672.0						
Dew Point	4221413		96427		42.7		6.655		2256				46.2						672.0						

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## PSYCHROMETRIC SUMMARY

27117  
STATION

LEMCORE, CA

STATION NAME

73-82

YEARS

MAD  
MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74 / 81												.0						1	1					
72 / 81													.0	.0				2	2					
70 / 79							.0		.0	.1	.0			.0				6	6					
78 / 77							.0	.1	.1	.1	.0	.1						11	11					
76 / 75						.2	.1	.2	.1	.2			.0					18	18					
74 / 73					.2	.2	.2	.0	.0		.1							17	17					
72 / 71					.2	.1	.6	.4	.4	.1	.1							49	49					
70 / 69				.0	.3	.6	.6	.4	.2	.1								55	55					
68 / 67			.1	.2	.4	.7	.3	.3	.2	.0								55	55	1				
66 / 65			.1	.5	.9	.8	1.0	.4	.2	.1								100	100	14				
64 / 63		.1	.3	1.0	1.0	.9	1.2	.2	.3	.2								128	128	19				
62 / 61		.1	.4	.9	1.4	1.1	.4	.3	.0	.1								119	119	33	4			
60 / 59		.4	1.3	1.6	1.4	1.4	.4	.3	.2									166	166	74	22			
58 / 57	.0	.8	1.8	1.5	1.3	1.1	.5	.3										185	185	141	24			
56 / 55		1.5	2.6	1.5	1.2	.6	.3	.0										192	192	155	67			
54 / 53	.3	1.8	2.7	1.7	.9	.7	.2	.1										197	197	258	105			
52 / 51	.2	1.6	3.0	1.2	.4	.4	.2											181	181	244	150			
50 / 49	.1	2.2	3.4	1.0	.4	.2	.0											192	192	243	224			
48 / 47	.2	3.7	2.2	1.0	.2	.2												194	184	292	189			
46 / 45	.1	3.4	2.2	.4	.3	.1												163	163	256	254			
44 / 43	.4	2.7	1.6	.7	.1													138	138	214	264			
42 / 41	.5	2.0	1.6	.3	.1													112	112	166	262			
40 / 39	.2	2.2	1.3	.3														95	95	118	250			
38 / 37	.0	1.5	.5	.1	.0													54	54	124	155			
36 / 35	.2	.9	.2	.2														38	38	67	151			
34 / 33	.2	.4	.1															15	15	40	122			
32 / 31	.0	.2	.2															6	6	17	67			
30 / 29		.0																1	1	8	63			
28 / 27																				1	34			
26 / 25																					37			
24 / 23																					17			
22 / 21																					13			
20 / 19																					3			
18 / 17																					3			
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_X$			No. Obs.			Mean No. of Hours with Temperature						Total		
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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## PSYCHROMETRIC SUMMARY

27119

LEMOORE, CA

73-82

212

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

HOURS (L S T)

[illegible]



4278 2097.54321

## PSYCHROMETRIC SUMMARY

LEMOORE, CA

73-82

APC

**MONTH**

PAGE 1

**HOURS (L S T )**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
100 / 99															.0	.0			2	2												
98 / 97																.0			1	1												
94 / 93																.0			1	1												
92 / 91											.1	.0			.1	.1	.0		8	8												
91 / 89											.0	.0	.1	.0			.0		6	6												
90 / 87												.1	.1	.2			.0		10	10												
86 / 85											.1	.3	.1	.2	.2	.0			21	21												
84 / 83									.0		.1	.4	.5	.3	.1				36	36												
82 / 81								.1	.0	.1	.5	.4	.3	.1					38	38												
80 / 79							.0	.1	.1	.5	.6	.5	.2	.1					48	48												
78 / 77							.0	.3	.3	1.0	.5	.2	.2	.0					59	59												
76 / 75							.0	.3	.8	.7	.5	.2	.1						64	64												
74 / 73						.1	.2	.6	1.2	.7	.7	.1	.1						88	88	1											
72 / 71					.1	.2	.4	1.0	.9	.7	.2	.1							86	86	3											
70 / 69					.2	.2	.8	1.4	1.0	.2	.3	.0							101	101	3											
68 / 67				.0	.1	.5	1.2	1.0	.5	.3	.0	.0							90	90	8											
66 / 65			.1	.2	.4	1.1	1.7	1.2	.6	.2	.0								133	133	17											
64 / 63		.1	.2	.5	1.7	1.2	.4	.4	.2										113	113	31											
62 / 61		.2	.2	1.4	1.5	.8	.4	.1	.1										114	114	90											
60 / 59		.2	.3	1.0	2.0	1.5	.4	.2	.2										140	140	141											
58 / 57		.3	.7	1.2	2.2	1.1	.6	.1											153	153	171											
56 / 55		.4	1.2	2.0	2.1	.9	.4	.1											169	169	201											
54 / 53		.5	1.9	2.6	1.4	.3	.3												166	166	254											
52 / 51	.0	.9	2.5	1.7	1.0	.3	.1												158	158	252											
50 / 49	.0	1.2	2.7	1.3	.5	.4	.0												149	149	280											
48 / 47	.0	2.5	2.1	1.3	.7	.0													160	160	254											
46 / 45	.2	2.0	1.5	.5	.2														107	107	247											
44 / 43		1.1	1.5	.6	.1														79	79	164											
42 / 41	.2	.9	.6	.2	.1														48	48	125											
40 / 39	.2	.5	.4	.1															30	30	85											
38 / 37	.1	.2	.2																14	14	43											
36 / 35		.2																	4	4	16											
34 / 33		.2																	4	4	11											
32 / 31																					3											
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																
Ref. Hum.																					≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																																
Wet Bulb																																
Dew Point																																

## PSYCHROMETRIC SUMMARY

23117  
STATION

LEMOORE, CA

73-92

APC

**MONTH**

PAGE 2

HOURS (LST)

[illegible]

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**HOURS (LST)**

2097 54321

**27112**  
**STATION**

STATION NAME

**YEARS**

28 V  
MONTH

PAGE 2

NAVWEASERVCOM

4

10/8 2097 94321

## PSYCHROMETRIC SUMMARY

2111

LEMOORE, CA

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
112/111																	.0	1	1		
110/109																	.1	3	3		
108/107																	.5	11	11		
106/105																.0	.0	.7	18	18	
104/103																.0	.1	1.2	32	32	
102/101																.1	.3	1.0	35	35	
100/ 99														.1	.1	.5	.7	.8	55	55	
98/ 97														.0	.2	.5	.7	.8	54	54	
96/ 95												.1	.3	.5	.8	.6	.6	.7	71	71	
94/ 93												.1	.8	1.0	.6	.5	.2	.6	76	76	
92/ 91										.1	.1	.5	.9	1.2	1.2	.3	.0	103	103		
90/ 89											.3	.7	.9	1.2	.7	.2		.9	99	99	
88/ 87									.1	.2	.7	.8	1.0	.8	.4	.0			98	98	
86/ 85								.0	.2	.5	.7	1.0	1.3	.5	.2			110	110		
84/ 83								.0	.2	.7	.7	1.0	.9	.5	.0			101	101		
82/ 81							.0	.2	.4	1.1	.9	.7	.5	.2				99	99		
80/ 79						.0	.2	.3	.8	1.0	1.3	.7	.2	.0				111	111		
78/ 77					.0	.0	.4	.8	1.2	1.3	1.0	.4	.1					129	129	2	
76/ 75					.0	.0	.9	.9	1.0	1.2	1.0	.2	.0					126	126	9	
74/ 73				.1	.0	.2	.6	1.6	1.1	1.0	.5	.0						124	124	24	
72/ 71				.1	.2	.5	1.2	1.3	1.0	.5	.0	.0						121	121	83	
70/ 69				.1	.5	.6	1.4	1.3	.9	.2								118	118	143	
68/ 67		.1	.1	.9	1.0	1.5	.8	.5	.0									118	118	173	
66/ 65			.4	.7	1.4	1.5	1.2	.2	.1									132	132	211	
64/ 63			.0	.7	1.1	1.2	.8	.5	.2									109	109	262	
62/ 61		.0	.4	.7	1.0	.7	.3											95	95	238	
60/ 59			.1	.7	.8	.8	.5	.0										70	70	270	
58/ 57			.2	.7	1.1	.6	.2	.2										73	73	266	
56/ 55			.2	.7	.9	.3	.1											52	52	222	
54/ 53			.2	.2	.5	.0	.0											25	25	169	
52/ 51			.0	.5	.2													19	19	124	
50/ 49			.2	.2	.1													10	10	100	
48/ 47				.1														2	2	53	
46/ 45																				36	
Element (X)	ΣX <sup>2</sup>		ΣX		X		σ <sub>X</sub>		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.											≤ 60 F		≤ 62 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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0710 2097 54321

27110	LEMOORE, CA	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

PAGE 2

NAVWEASERVCOM

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1218 2097 54321

## PSYCHROMETRIC SUMMARY

23110  
STATIONLFMOORE, CA  
STATION NAME73-82  
YEARSJUL  
MONTHPAGE 1  
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point							
110/100																	.1	2			2						
108/107																	.0	.3	9		9						
106/105																	.2	1.0	30		30						
104/103																.1	.2	1.7	51		51						
102/101												.0		.2	.4	1.1	1.4	83		83							
100/99													.1	.2	.8	1.1	1.4	91		91							
98/97											.0	.1	.2	.5	1.4	.9	.5	92		92							
96/95												.3	.5	1.6	1.1	.9	.1	113		113							
94/93											.0	.2	.7	1.3	1.7	.9	.3	126		126							
92/91											.1	.4	1.0	2.2	1.2	.5	.0	136		136							
90/89									.0	.1	.4	.6	1.5	1.9	.6	.2		129		129							
88/87									.0	.1	.4	1.0	1.2	.8	.3			95		95							
86/85									.1	.4	.6	.9	1.0	.6	.2			95		95							
84/83									.2	.6	1.1	.7	.7	.1	.0			84		84							
82/81								.1	.8	.9	1.1	.8	.3	.1				101		101							
80/79						.1	.5	1.1	1.4	1.5	.5							125		125	2						
78/77					.0	.1	.7	1.5	1.6	1.0	.1							126		126	4						
76/75					.1	.5	1.3	1.8	1.0	.6								132		132	23						
74/73				.0	.3	.8	1.8	2.3	1.0	.2								162		162	72						
72/71				.1	.5	1.6	1.7	1.2	.4	.1								139		139	192						
70/69			.0	.3	.7	1.2	1.2	.8	.2									112		112	275	5					
68/67			.0	.4	.8	1.6	1.6	.6	.0									125		125	305	4					
66/65			.1	.5	1.0	1.1	.7	.2										91		91	309	16					
64/63			.2	.6	1.0	1.6	.4	.0	.0									96		96	286	42					
62/61			.1	.4	.8	.5	.2											51		51	282	63					
60/59		.1	.3	.4	.5	.4	.0											37		37	236	140					
58/57			.1	.4	.2	.1	.1											22		22	179	220					
56/55	.0		.2	.3	.2	.0	.0											22		22	136	362					
54/53		.0	.0		.0													3		3	95	319					
52/51																					49	286					
50/49																					25	354					
48/47																					6	254					
46/45																					4	194					
44/43																						106					
Element (X)	$\Sigma X^2$				$\Sigma X$				$\bar{X}$				$\sigma_X$				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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## PSYCHROMETRIC SUMMARY

23110  
STATION

LEMOORE, CA

STATION NAME

73-92

YEARS

411

**MONTH**

PAGE 2

HOURS 11.5 T

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## PSYCHROMETRIC SUMMARY

27110  
STATIONLEMOORE, CA  
STATION NAME73-82  
YEARSAUG  
MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
110/107																	.0	1	1		
108/107																	.3	7	7		
106/105																.1	.3	11	11		
104/103															.1	.4	.8	32	32		
102/101												.0		.1	.3	.5	.7	41	41		
100/99													.1	.2	.6	.5	.3	44	44		
98/97												.1	.1	.8	.9	.7	.2	70	70		
96/95											.1	.2	.7	1.1	.8	.6	.1	89	89		
94/93											.3	.4	1.1	1.5	.6	.1		96	96		
92/91										.2	.3	1.0	1.5	1.0	.3			105	105		
90/89								.0	.1	.2	1.0	1.4	1.4	.4	.1			115	115		
88/87								.2	.5	1.4	1.6	.7	.1	.1				112	112		
86/85								.1	.3	1.0	1.2	1.3	.6	.1				114	114		
84/83							.1	.2	.7	1.5	1.3	.5	.1					111	111		
82/81					.0	.1	.2	.6	1.7	1.9	1.2	.1						143	143		
80/79					.0	.0	.2	1.0	1.4	1.0	.4							102	102	1	
78/77				.0	.0	.2	.8	1.8	1.2	.8	.1							124	124		
76/75				.1	.3	1.1	1.5	1.1	.5	.1								112	112	24	
74/73			.1	.1	.1	.6	1.7	1.6	.9	.0								131	131	63	
72/71	.0	.0	.0	.7	1.9	1.5	1.2	.4										146	146	135	
70/69			.0	.2	1.5	2.7	1.3	1.2	.2									158	158	216	6
68/67			.1	.5	1.7	2.1	1.2	.3	.1									150	150	274	12
66/65			.2	1.2	1.5	1.1	1.1	.3										135	135	304	24
64/63			.4	1.3	1.5	1.4	.6	.1	.0									131	131	300	29
62/61			.7	.9	.8	.7	.3											85	85	280	62
60/59			.4	.8	.3	.6	.2											58	58	287	138
58/57			.4	.7	.2	.2												37	37	220	242
56/55			.0	.2	.1	.1	.0											13	13	159	383
54/53			.1	.0	.0	.0												5	5	109	354
52/51			.3	.0	.0													2	2	60	361
50/49																				33	283
48/47																				9	208
46/45																				5	166
44/43																				1	98
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$	$\sigma_X$	No. Obs.			Mean No. of Hours with Temperature									
Ref. Num.												≤ 60 F	≤ 62 F	≤ 64 F	≤ 66 F	≤ 68 F	≤ 70 F	≤ 72 F	≤ 74 F	Total	
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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## PSYCHROMETRIC SUMMARY

23110  
STATION

LENDORE, CA

73-92

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HOURS (LST)

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## PSYCHROMETRIC SUMMARY

LEMORE, CA

73-92

25.

STATION NAME

YEARS

**MONTH**

PAGE 1

**HOURS 11.57**

[illegible]

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## PSYCHROMETRIC SUMMARY

27112  
STATION

LEMOORE, CA

STATION NAME

13-22

YEARS

25

MONTH

DATE \_\_\_\_\_  
HOURS (L.S.T.) \_\_\_\_\_

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## PSYCHROMETRIC SUMMARY

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STATE

LEMOORE, CA

73-02

**YEARS**

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PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
100 / 99																	.0	.0	2	2					
99 / 97																	.2	.2	7	7					
98 / 95																	.2	.2	10	10					
97 / 93														.1	.4		.3	.0	19	19					
96 / 91														.1	.2		.2	.0	15	15					
95 / 89														.1	.2		.2		23	23					
93 / 87														.1	.1	.2	.3	.5	43	43					
92 / 85														.1	.2	.2	.6	.7	48	48					
91 / 81									.1	.1	.2	.7	.8	.7	.1	.0			71	71					
90 / 79							.0	.2	.2	.6	.6	.9	.8	.2	.1				73	73					
89 / 77						.1	.1	.1	.2	.7	.9	.6	.2		.0				76	76					
88 / 75					.1	.1	.3	.6	.8	1.1	.5	.2							70	70					
87 / 73					.2	.6	1.2	1.3	.6	.4	.1								89	89					
86 / 71				.1	.2	.4	.8	1.4	1.4	.3	.0								117	117	1				
85 / 69			.1	.1	.2	.4	1.4	1.4	.8	.4	.1								112	112	5				
84 / 67			.1	.2	.3	1.1	1.3	1.0	.5	.2	.1								121	121	21				
83 / 65		.0	.1	.7	1.1	1.2	1.4	.9	.4	.1	.0								122	122	46				
82 / 63	.0	.0	.2	.5	1.1	1.8	1.5	.4	.1	.2									148	148	77				
81 / 61		.2	.4	.8	1.6	1.7	.6	.5	.0										145	145	148				
80 / 59		.2	.7	1.2	1.3	1.2	.9	.1	.0										144	144	157				
79 / 57	.1	.2	.9	1.4	2.0	1.4	.3	.0											143	143	207				
78 / 55	.2	.2	.7	1.6	1.8	1.1	.4												156	156	262				
77 / 53	.2	.3	1.0	1.6	1.5	.6	.3	.1											147	147	231				
76 / 51	.0	.4	.8	1.4	1.5	.4	.2	.0											132	132	248				
75 / 49	.1	.2	.9	2.0	1.2	.1	.0												117	117	208				
74 / 47		.2	.7	1.2	.5	.1	.1												111	111	216				
73 / 45	.0	.3	.6	.9	.1		.0												72	72	161				
72 / 43		.4	.7	.6	.2	.0													49	49	147				
71 / 41		.1	.7	.4	.1														48	48	171				
70 / 39		.1	.2	.1	.1														30	30	99				
69 / 37		.0	.1	.0	.0														13	13	60				
34 / 35			.0		.0														5	5	34				
34 / 33					.0														2	2	19				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature														
Ref. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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## PSYCHROMETRIC SUMMARY

27110  
STATION

LEMOORE, CA

STATION NAME

73-22

YEARS

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**MONTH**

PAGE 2

HOURS (LST)

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## PSYCHROMETRIC SUMMARY

27110 LEMCORE, CA

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
84 / 83													.0					1														1			
82 / 81												.1	.1	.0				6														6			
80 / 79										.0	.3	.2	.2					15														15			
78 / 77								.0	.1	.1	.1	.4	.0	.0				20														20			
76 / 75								.1	.2	.3	.0	.0	.1					18														18			
74 / 73						.0	.3	.5	.2	.2	.1	.0						34														34			
72 / 71						.1	.2	.4	.4	.3	.1							35														35			
70 / 69				.1	.1	.2	.5	1.0	.5	.1	.0							60														60			
68 / 67				.0	.1	.5	1.0	.3	.2	.3								59														59			
66 / 65			.2	.2	.3	.7	1.1	.7	.3									64														64	2		
64 / 63			.1	.4	.5	1.1	1.7	.6	.3	.1								96														96	15		
62 / 61		.2	.3	.7	1.7	1.2	.5	.4	.1									125														125	31		
60 / 59		.5	.5	.7	1.2	.9	.7	.3		.7								117														117	64	5	
58 / 57		.8	.9	1.2	1.1	1.7	.6	.1										139														139	89	16	
56 / 55	.1	1.3	1.2	1.3	1.3	.9	.3											154														154	179	43	
54 / 53	.1	.8	1.8	1.8	1.1	.7	.2	.2	.0									164														164	184	66	
52 / 51	.2	1.1	2.7	1.6	1.4	.5	.1	.1	.0									183														183	209	75	
50 / 49	.1	1.1	3.1	1.8	.7	.5	.1	.0										179														179	199	143	
48 / 47	.1	2.0	2.3	1.8	.7	.1	.0											168														168	230	166	
46 / 45	.1	1.9	2.3	1.3	.6	.1												164														164	217	214	
44 / 43	.2	1.4	2.2	.9	.2	.1												119														119	214	209	
42 / 41	.2	1.3	2.5	1.2	.2	.7	.0											134														134	182	236	
40 / 39	.0	2.0	1.9	.7														112														112	141	205	
38 / 37		1.5	1.2	.5		.0												78														78	155	187	
36 / 35	.1	1.2	.7	.2	.0													55														55	111	200	
34 / 33	.0	.7	.6	.0														33														33	73	179	
32 / 31	.1	.8	.2															27														27	40	138	
30 / 29	.1	.4	.0	.1														15														15	43	113	
28 / 27	.0	.1	.0															4														4	14	64	
26 / 25		.1		.0														3														3	2	53	
24 / 23																																	5	34	
22 / 21																																	1	21	
20 / 19																																		14	
18 / 17																																		5	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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## PSYCHROMETRIC SUMMARY

23110  
STATION

LEMOORE, CA

STATION NAME

73-92

**YEARS**

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# PSYCHROMETRIC SUMMARY

23110  
STATION

LEMOORE, CA

STATION NAME

73-82

YEARS

DEC

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
76 / 75										.1								2	2		
74 / 73											.0							1	1		
72 / 71										.0								1	1		
70 / 69								.1		.0								3	3		
68 / 67							.1	.1	.0									6	6		
66 / 65				.1	.1	.2	.2	.1										18	18		
64 / 63				.1	.1	.5	.3	.0										26	26		
62 / 61		.2	.0	.0	.5	.4	.3											36	36	1	
60 / 59		.2	.3	.8	.8	.8	.2	.1										81	81	8	
58 / 57	.1	.2	.6	.8	.8	1.3	.2											98	98	16	
56 / 55	.2	1.0	.9	1.7	1.3	.6	.2	.1										144	144	37	
54 / 53	.3	1.2	1.5	1.5	.8	.5	.1											146	146	112	
52 / 51	.2	1.2	2.9	1.8	.6	.2	.2											175	175	129	
50 / 49	.2	2.2	3.6	1.2	.5	.1	.1											192	192	178	
48 / 47	.2	3.4	2.8	1.0	.1	.1	.2											188	188	247	
46 / 45	.6	4.5	3.6	1.0	.1	.0												242	242	266	
44 / 43	.8	4.6	2.4	.6	.1	.1												215	215	247	
42 / 41	1.1	3.8	3.6	.4	.1													222	222	244	
40 / 39	1.3	3.3	2.2	.1	.2													177	177	227	
38 / 37	.5	3.5	1.6	.1														141	141	202	
36 / 35	.3	2.7	.7	.1														94	94	148	
34 / 33	.3	2.7	.7	.1														95	95	114	
32 / 31	.4	2.5	.4															81	81	99	
30 / 29	.3	1.3	.2															43	43	78	
28 / 27	.2	.9	.2															33	33	46	
26 / 25		.4																9	9	23	
24 / 23	.0	.2																7	7	11	
22 / 21	.0																	1	1	4	
20 / 19																				14	
18 / 17																				9	
16 / 15																				4	
14 / 13																				1	
TOTAL	7.1	39.8	28.2	11.3	6.2	4.8	1.9	.5	.0	.2	.0							2477	2477	2477	
Element (X)	ΣX <sup>2</sup>			ΣX			X	O <sub>x</sub>	No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.	15157239			190403			76.9	14.509	2477			≤ 10 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb	5355245			113185			45.7	8.604	2477				52.3	3.9	.9			744.0			
Wet Bulb	4545646			104638			42.2	7.114	2477				78.4					744.0			
Dew Point	3757348			94700			38.2	7.423	2477				159.5					744.0			

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# PSYCHROMETRIC SUMMARY

23110  
STATION

LEMOORE, CA  
STATION NAME

73-82  
YEARS

ALL  
MONTH

PAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
112/111																	.0	1	1																			
110/109																	.0	6	6																			
108/107																	.0	.1	27	27																		
106/105																.0	.0	.0	.2	62	62																	
104/103																.0	.0	.1	.3	130	130																	
102/101																.0	.0	.1	.2	.3	180	180																
100/ 99																	.1	.2	.3	.2	231	231																
98/ 97												.0	.0	.0	.0	.2	.3	.3	.2	298	298																	
96/ 95												.0	.0	.1	.2	.3	.3	.3	.1	359	359																	
94/ 93												.0	.0	.1	.4	.5	.3	.1	.0	428	428																	
92/ 91												.0	.0	.1	.3	.5	.4	.2	.1	.0	478	478																
90/ 89								.0	.0	.0	.1	.2	.4	.5	.3	.1	.0			505	505																	
88/ 87								.0	.0	.0	.1	.4	.5	.4	.2	.1	.0			507	507																	
86/ 85								.0	.0	.1	.3	.4	.5	.4	.2	.1	.0			574	574																	
84/ 83								.0	.1	.2	.4	.5	.4	.3	.1	.0			593	593																		
82/ 81					.0	.0	.0	.2	.3	.5	.6	.3	.2	.0					654	654												1						
80/ 79					.0	.0	.1	.3	.6	.6	.5	.2	.1	.0					715	715												6						
78/ 77			.0	.0	.0	.0	.2	.5	.7	.6	.3	.1	.0	.0					747	747											11							
76/ 75			.0	.0	.0	.1	.4	.6	.6	.6	.2	.1	.0						814	814											67	1						
74/ 73			.0	.0	.1	.2	.6	.9	.7	.4	.2	.0	.0						928	928										190	4							
72/ 71		.0	.0	.0	.2	.5	.8	.8	.6	.3	.1	.0							950	950											504	4						
70/ 69		.0	.1	.1	.4	.6	.9	.9	.5	.1	.0	.0							1038	1038											855	20						
68/ 67	.0	.0	.1	.2	.5	.9	1.0	.6	.3	.1	.0	.0							1055	1055											1089	41						
66/ 65	.0	.0	.1	.4	.7	.9	1.0	.6	.2	.1	.0								1206	1206											1263	89						
64/ 63	.0	.1	.2	.6	.9	1.2	.8	.3	.2	.1									1225	1225											1522	135						
62/ 61	.0	.1	.3	.6	1.2	.9	.5	.2	.0	.0									1128	1128											1580	232						
60/ 59	.0	.2	.5	.9	1.1	.9	.5	.1	.0	.0									1252	1252											1851	518						
58/ 57	.0	.3	.8	1.1	1.1	.8	.3	.1											1301	1301											1921	881						
56/ 55	.1	.6	1.0	1.2	1.1	.6	.2	.0											1408	1408											1997	1502						
54/ 53	.1	.7	1.2	1.2	.7	.3	.1	.0	.0										1299	1299											2197	1763						
52/ 51	.1	.8	1.5	1.0	.6	.2	.1	.0	.0										1282	1282											1990	2028						
50/ 49	.2	1.0	1.8	.9	.4	.1	.0	.0											1292	1292											1979	2559						
48/ 47	.1	1.7	1.3	.7	.2	.1	.0												1224	1224											1908	2433						
46/ 45	.2	1.9	1.4	.5	.1	.0													1198	1198											1819	2842						
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature												
Rel. Hum.																										≤ 60 F	≥ 62 F	≥ 64 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

NAVWEASERVCOM

4

12/8 2007 54321

## PSYCHROMETRIC SUMMARY

23110  
STATIONLEMOORE, CA  
STATION NAME73-82  
YEARSALL  
MONTHPAGE 2  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
44/ 43	.3	1.6	1.1	.3	.1	.0												980	980	1600	2729		
42/ 41	.4	1.3	1.0	.3	.1	.0	.0											876	876	1312	2519		
40/ 39	.4	1.4	.7	.1	.0													744	744	1049	2242		
38/ 37	.2	1.1	.4	.1	.0	.0												522	522	883	1646		
36/ 35	.2	.7	.2	.1	.0													353	353	569	1533		
34/ 33	.1	.6	.2	.0														257	257	409	1163		
32/ 31	.1	.4	.1															171	171	258	743		
30/ 29	.1	.3	.0	.0														114	114	196	561		
28/ 27	.0	.1	.0															56	56	103	351		
26/ 25	.0	.1		.0														23	23	44	306		
24/ 23	.0	.0																16	16	27	159		
22/ 21	.0	.0																5	5	11	101		
20/ 19	.0																	1	1	2	57		
18/ 17																					26		
16/ 15																					18		
14/ 13																					3		
12/ 11																					1		
10/ 9																					2		
8/ 7																					2		
6/ 5																					2		
TOTAL	2.7	15.0	13.9	10.4	9.6	8.5	7.5	6.3	5.0	4.4	3.7	3.1	3.0	2.4	1.8	1.3	1.5	29213	29213		29213		
																		29213		29213			

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

27110

LEMOORE, CA

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	42.0	45.4	47.2	50.6	58.6	66.1	70.3	68.5	65.0	56.2	46.0	41.3	54.8
	S. D.	6.868	5.500	5.911	5.719	7.026	6.217	5.009	5.269	5.731	6.642	6.747	6.689	11.977
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	40.6	43.4	44.9	47.1	53.8	60.7	64.5	63.7	60.7	52.6	43.9	39.7	51.3
	S. D.	7.481	6.133	6.115	5.594	6.318	6.103	5.269	5.288	5.691	6.631	7.165	7.282	10.864
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	39.8	42.1	45.2	52.3	62.0	69.2	72.4	69.3	64.2	53.0	42.4	38.6	54.3
	S. D.	7.515	6.620	5.818	5.669	6.966	7.030	5.262	5.566	5.703	6.793	7.312	7.499	13.789
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
17	MEAN	46.2	52.8	57.2	65.0	74.6	81.7	85.9	82.9	79.2	70.3	55.9	46.4	66.6
	S. D.	6.119	5.300	5.438	7.098	8.289	8.087	6.212	6.234	6.761	7.164	6.702	5.730	15.453
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	52.9	60.1	63.2	71.7	82.2	90.2	94.8	91.8	87.7	78.6	63.9	54.2	74.3
	S. D.	6.998	6.399	6.577	8.474	9.287	8.316	6.318	6.734	7.761	8.159	7.719	6.151	16.373
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	54.2	61.4	63.8	73.0	84.2	92.7	97.5	94.2	89.4	79.0	64.0	54.8	75.7
	S. D.	7.174	6.605	6.942	9.112	9.624	8.465	6.208	6.806	7.874	8.868	7.967	5.964	17.065
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
17	MEAN	47.3	53.1	55.6	62.8	75.4	85.5	89.6	84.4	77.4	66.8	54.1	47.3	66.7
	S. D.	5.750	5.014	5.665	7.766	8.676	7.513	5.275	6.025	6.543	7.172	6.255	5.312	16.170
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
22	MEAN	43.9	48.1	50.1	54.5	64.1	72.7	76.9	74.1	69.8	59.5	48.7	43.3	58.9
	S. D.	6.431	5.147	5.517	6.320	7.063	6.524	4.674	5.242	6.079	6.707	6.337	6.059	13.291
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	45.8	50.8	53.4	59.6	69.4	77.3	81.5	78.6	74.2	64.5	52.4	45.7	62.8
	S. D.	6.479	5.019	5.372	6.623	7.206	6.262	4.660	5.156	5.744	6.457	6.047	5.605	16.957
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

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# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2011 LEMORE, CA

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	40.2	43.2	44.2	45.7	50.6	55.2	59.1	58.5	55.9	49.1	42.1	39.1	48.6
	S. D.	6.657	5.364	5.934	4.670	5.206	4.822	3.911	4.179	4.984	5.950	6.378	6.382	8.796
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	39.0	41.5	42.5	43.4	47.9	52.4	56.1	55.8	53.5	47.0	40.6	37.8	46.5
	S. D.	7.229	5.843	6.090	5.034	5.134	4.876	4.257	4.285	5.232	6.298	6.944	6.975	8.577
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
27	MEAN	38.3	40.5	43.1	47.5	53.2	57.3	60.2	59.2	56.0	47.5	39.6	36.9	48.3
	S. D.	7.292	6.251	5.660	4.482	4.893	4.619	3.569	3.731	4.989	6.119	7.138	7.220	10.014
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	43.4	49.0	51.2	53.9	58.6	62.4	65.8	65.0	63.3	57.5	49.6	43.6	55.3
	S. D.	5.682	4.591	4.969	4.492	5.090	4.645	3.449	3.452	4.275	4.755	5.215	5.211	8.972
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	47.8	52.7	53.6	56.3	61.2	65.2	68.6	68.1	66.5	60.4	53.3	46.1	58.5
	S. D.	5.679	4.560	5.147	4.657	5.291	4.520	3.273	3.165	4.224	4.751	5.035	4.615	8.543
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	48.2	52.9	53.6	56.4	61.3	65.8	69.3	68.6	66.6	60.0	52.9	46.2	58.7
	S. D.	5.494	4.469	5.083	4.748	5.334	4.469	3.174	3.357	4.298	5.009	5.173	4.569	8.728
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
10	MEAN	44.2	48.6	49.6	52.3	58.2	63.4	67.3	65.7	62.2	55.0	47.6	43.6	54.8
	S. D.	5.559	4.409	5.105	4.740	5.363	4.887	3.609	3.791	4.774	5.474	5.256	5.091	9.438
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
22	MEAN	41.7	45.3	46.2	48.0	53.3	58.5	62.7	61.4	58.4	50.9	43.9	40.6	51.0
	S. D.	6.280	4.892	5.574	4.724	4.991	4.767	3.892	4.025	5.018	5.792	5.933	5.823	9.117
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	42.9	46.7	48.0	50.4	54.5	60.0	63.7	62.8	60.3	53.4	46.2	42.2	52.7
	S. D.	7.194	6.794	6.954	6.599	6.461	6.573	5.824	5.814	6.684	7.564	7.801	7.115	10.078
	TOTAL OBS	2480	2254	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

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# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

27110 LEMORE, CA

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN	37.8	40.6	40.9	40.1	42.9	45.7	50.7	50.8	48.2	41.8	37.3	36.7	42.8
	S. D.	7.466	6.104	7.395	6.241	5.784	6.749	5.403	5.787	7.231	7.788	8.107	7.248	8.383
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	36.8	39.4	39.6	39.1	41.9	44.8	49.3	49.4	47.0	40.9	36.4	35.1	41.7
	S. D.	7.829	6.363	7.213	6.313	5.913	6.630	5.607	5.776	7.305	8.024	8.351	7.697	8.426
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
17	MEAN	36.3	38.6	40.6	42.6	45.4	47.7	51.3	51.7	49.3	41.8	35.8	34.4	43.0
	S. D.	7.826	6.620	6.576	5.930	5.567	6.230	4.794	5.103	7.112	7.574	8.313	7.917	8.906
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	41.1	45.5	45.4	43.9	46.0	48.5	53.0	53.2	52.5	47.0	43.3	40.3	46.6
	S. D.	6.694	5.731	6.954	6.280	6.084	6.462	4.943	5.119	6.200	6.389	7.059	6.238	7.543
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	42.7	46.1	44.9	43.1	45.1	48.1	52.5	53.7	53.0	46.4	43.7	41.9	46.8
	S. D.	7.045	6.083	7.583	6.672	6.719	6.878	5.221	4.808	6.543	6.575	7.095	6.150	7.619
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	42.1	45.2	44.2	42.0	43.6	47.3	52.1	53.0	52.0	45.1	42.4	41.4	45.9
	S. D.	7.178	6.258	7.912	7.021	6.807	6.811	5.417	5.228	6.727	7.276	7.394	6.573	7.894
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
19	MEAN	40.6	44.3	43.5	42.3	44.1	47.4	53.5	53.9	51.4	44.6	40.6	39.4	45.5
	S. D.	6.849	5.566	7.581	6.790	6.921	7.656	6.008	5.194	6.977	7.690	7.377	6.459	8.325
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
22	MEAN	49.0	42.3	42.0	41.3	43.6	47.2	52.8	52.5	49.4	42.4	38.3	37.3	44.0
	S. D.	7.210	5.803	7.564	6.623	5.890	6.764	5.756	5.562	7.294	7.943	7.771	6.828	8.489
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	39.5	42.7	42.6	41.8	44.1	47.1	51.9	52.3	50.3	43.8	39.7	38.2	44.5
	S. D.	7.607	6.656	7.621	6.650	6.350	6.920	5.852	5.517	7.218	7.727	8.246	7.433	8.406
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

NAVWEASERVCOM

JAH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

# RELATIVE HUMIDITY

21110 LEMOORE, CA

73-82

FEF

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEF	01	100.0	100.0	100.0	100.0	99.6	97.9	91.1	69.1	25.5	84.1	292
	04	100.0	100.0	100.0	99.6	99.6	98.6	94.7	79.1	28.4	86.2	282
	07	100.0	100.0	100.0	100.0	100.0	99.6	97.2	82.6	31.2	87.5	292
	10	100.0	100.0	99.6	99.3	96.5	90.4	68.4	43.6	17.0	77.5	282
	13	100.0	100.0	99.3	90.8	74.1	52.1	29.4	13.1	3.2	61.8	282
	16	100.0	99.6	97.9	84.8	63.5	38.7	21.6	9.6		57.4	282
	19	100.0	100.0	100.0	99.3	95.7	84.8	61.3	27.3	6.0	73.2	282
	22	100.0	100.0	100.0	100.0	99.6	96.1	86.5	51.8	14.9	80.9	282
TOTALS		100.0	100.0	99.6	96.7	91.1	82.3	68.8	47.0	15.8	76.1	2256

NAVWEASERVCOM



73-92

STATION

STATION NAME

PERIOD

• • •

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	100.0	99.7	97.7	91.3	82.3	51.9	11.6	79.4	310
	04	100.0	100.0	100.0	99.7	99.4	94.8	88.7	64.8	15.5	82.2	310
	07	100.0	100.0	100.0	100.0	99.0	96.1	91.9	74.5	22.9	84.6	310
	10	100.0	100.0	99.4	95.8	83.9	68.1	40.0	13.5	1.6	66.0	310
	13	100.0	99.0	94.5	80.3	56.5	30.0	11.9	3.9		53.3	310
	16	100.0	98.4	90.6	73.5	48.7	28.7	14.5	3.9	.3	51.4	310
	19	100.0	99.7	98.7	92.6	82.6	65.5	42.3	15.8	1.6	65.6	310
	22	100.0	100.0	99.7	98.1	93.5	87.4	70.0	37.4	8.1	75.1	310
TOTALS		100.0	99.6	97.9	92.5	82.7	70.2	55.2	33.2	7.7	69.7	2400

NAVWEASERVCOM

## RELATIVE HUMIDITY

2011 LEMMON, CA

73-82

ADP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	99.0	95.7	88.7	71.0	50.3	23.7	3.3	69.1	300
	04	100.0	100.0	99.7	99.0	94.3	86.7	66.0	36.0	10.3	75.0	300
	07	100.0	100.0	100.0	96.3	91.3	74.7	53.7	31.3	7.0	71.4	300
	10	100.0	98.7	91.0	70.3	40.3	17.0	6.3	2.3		46.4	300
	13	100.0	94.0	69.3	36.3	13.0	6.3	4.0	1.0		38.0	300
	16	100.0	88.3	57.3	30.7	12.7	6.3	3.0	1.7	.3	35.5	300
	19	100.0	97.3	91.0	67.3	46.3	23.7	11.0	2.3		49.7	300
	22	100.0	99.0	96.7	93.7	79.0	56.3	35.3	11.3	2.3	63.2	300
TOTALS		100.0	97.2	88.0	73.7	58.2	42.8	28.7	13.7	2.9	56.3	2400

73-82

• 2Y

STATION

STATION NAME

PERIOD

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	100.0	93.0	70.6	36.8	10.0	2.3		57.2	310
	04	100.0	100.0	99.7	98.7	90.3	62.6	29.7	11.0	1.0	65.1	310
	07	100.0	100.0	99.4	91.6	65.2	32.9	9.0	1.6	.3	55.6	310
	10	100.0	98.7	75.5	35.2	8.1	1.3	.6			37.3	310
	13	100.0	94.2	35.8	7.7	1.3	1.0	.3	.3		24.4	310
	16	100.0	71.3	16.9	3.5	1.5	.3	.2			25.1	310
	19	100.0	93.9	61.9	21.3	7.1	2.3	1.3			34.2	310
	22	100.0	100.0	96.8	77.1	36.8	12.9	4.5	1.0		48.6	310
TOTALS		100.0	93.5	73.2	53.6	35.1	18.8	7.8	2.0	.2	44.0	2480

NAVWEASERVCOM

4

## RELATIVE HUMIDITY

21110 LEMORE, CA

73-82

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	79.7	96.0	76.0	45.3	14.7	2.7	.3		49.1	370
	04	100.0	100.0	99.3	88.7	68.3	46.0	15.3	2.3		57.4	370
	07	100.0	100.0	92.3	69.0	42.0	16.7	3.3	.3		48.0	300
	10	100.0	91.3	54.3	20.7	5.0	1.7	.7			33.0	370
	13	100.0	66.3	20.7	3.0	1.0	.3				24.6	370
	16	100.0	49.7	11.0	2.0	1.0	.7	.3			22.1	370
	19	100.0	84.3	31.0	7.3	2.0	1.0	.3	.3		27.7	370
	22	100.0	99.3	86.0	52.0	15.7	4.0	1.3	.3		41.5	300
TOTALS		100.0	56.3	61.3	39.8	22.5	10.6	3.0	.4		37.9	2400

NAVWEASERVCOM

4

## RELATIVE HUMIDITY

21110 LEMORE, CA

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	99.4	65.5	51.0	13.5	2.9	.6		50.8	310
	04	100.0	100.0	100.0	95.5	77.1	41.9	12.9	3.5	.3	58.8	310
	07	100.0	100.0	98.7	79.0	38.7	11.6	1.9			48.4	310
	10	100.0	98.4	55.5	17.4	4.2	.3				33.2	310
	13	100.0	72.9	17.7	4.2	.3					24.8	310
	16	100.0	51.6	10.6	2.6	1.0	.3				22.5	310
	19	100.0	92.9	40.0	6.8	1.3	.6				29.9	310
	22	100.0	100.0	95.8	64.8	19.4	3.5	.6			43.8	310
TOTALS		100.0	89.5	64.7	44.5	24.1	9.0	2.3	.5	.0	39.0	2460

NAVWEASERVCOM

73-82

2UG

STATION

STATION NAME

PERIOD

**NORTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	99.4	90.6	60.0	31.9	2.1	.6		54.3	310
	04	100.0	100.0	99.7	96.5	78.7	48.7	22.9	5.5		60.9	310
	07	100.0	100.0	99.7	87.1	61.0	34.8	9.7	1.3		54.9	310
	10	100.0	98.1	73.5	31.6	7.7	1.0	.6	.3		37.0	310
	17	100.0	86.8	32.9	6.8	1.6	.6	.3			28.5	310
	16	100.0	74.5	21.6	3.2	1.0	1.0	.3			25.8	310
	19	100.0	100.0	75.5	22.3	3.2	1.0	1.0			35.8	310
	22	100.0	100.0	99.0	78.4	34.5	9.7	1.3	1.0		47.7	310
TOTALS		100.0	94.9	75.2	52.1	31.0	16.1	5.5	1.1		43.1	2480

**NAYWEASERVCOM**

10

4

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

23110 LENOORE, CA

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	99.3	85.7	62.3	36.3	15.0	5.7	.3	56.0	300
	04	100.0	100.0	100.0	97.0	73.7	54.3	28.3	10.7	2.7	62.3	300
	07	100.0	100.0	100.0	90.3	69.7	45.0	24.7	10.7	2.0	60.2	300
	10	100.0	99.7	84.3	44.3	17.7	7.0	3.0	1.3		41.1	300
	13	100.0	91.0	45.3	16.3	5.0	3.3	1.7	1.3		32.1	300
	16	100.0	87.0	36.3	10.3	3.3	2.3	1.7	1.0		29.5	300
	19	100.0	100.0	85.3	47.0	17.0	5.7	2.3	1.3		41.5	300
	22	100.0	100.0	98.7	72.3	43.7	20.3	6.3	2.3	.3	49.9	300
TOTALS		100.0	97.2	81.2	57.9	36.6	21.6	10.4	4.3	.7	46.6	2400

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

2110 LENOIRE, CA

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
CT	01	100.0	100.0	99.7	93.9	78.1	45.5	18.7	6.3	1.6	59.9	310
	06	100.0	100.0	100.0	98.1	90.0	63.5	33.9	12.3	1.9	65.7	310
	07	100.0	100.0	100.0	98.4	89.4	69.4	39.7	15.5	3.2	67.0	310
	10	100.0	100.0	98.1	60.2	30.0	10.6	2.9	1.0		45.0	310
	13	100.0	95.5	55.5	23.2	6.5	2.3	.6	.3	.3	33.6	310
	16	100.0	86.8	47.7	19.0	7.1	3.5	1.3	1.0	.3	32.1	310
	19	100.0	79.0	74.5	64.8	27.7	14.2	5.8	1.6	.6	46.4	310
	22	100.0	99.7	98.1	89.4	59.7	26.5	11.3	4.5	1.3	54.7	310
TOTALS		100.0	97.6	85.5	68.4	48.6	29.4	14.3	5.4	1.2	50.6	2480

OCEANAV-8MOS



## RELATIVE HUMIDITY

NOV

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	99.3	97.7	93.3	89.0	63.3	32.3	7.7	73.0	300
	04	100.0	100.0	99.7	99.0	98.0	87.0	71.7	39.3	8.7	75.9	300
	07	100.0	100.0	99.7	99.7	98.7	93.0	75.3	46.3	10.0	78.2	300
	10	100.0	100.0	98.7	92.7	76.7	57.7	37.0	21.3	8.0	65.0	300
	13	100.0	99.0	90.3	70.3	43.7	24.7	13.0	3.7	.7	50.3	300
	16	100.0	98.7	86.7	63.3	36.3	20.7	11.3	5.3		46.1	300
	19	100.0	99.7	98.7	93.0	74.7	55.0	33.3	10.3	2.7	62.3	300
	22	100.0	100.0	99.7	98.0	90.7	72.0	49.0	19.7	4.0	68.6	300
TOTALS		100.0	99.7	96.6	89.2	76.5	61.3	44.2	22.2	5.2	65.2	2400

**OCEANAV-SMOS**

4 NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## RELATIVE HUMIDITY

2011 LEMORE, CA

77-07

DEC

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	99.0	98.7	89.0	57.1	19.7	82.0	310
	14	100.0	100.0	100.0	99.7	99.7	98.7	92.9	67.1	21.0	83.9	310
	27	100.0	100.0	100.0	100.0	99.7	99.0	95.5	72.6	25.2	85.2	310
	10	100.0	100.0	100.0	99.7	98.4	92.3	76.1	51.6	24.8	80.7	310
	13	100.0	100.0	99.4	95.2	79.7	57.1	38.7	19.0	7.1	65.4	310
	16	100.0	100.0	98.7	92.6	73.1	53.4	35.9	14.9	2.6	62.8	309
	19	100.0	100.0	100.0	99.4	97.1	90.3	68.0	32.4	6.5	75.1	309
	22	100.0	100.0	100.0	99.7	98.7	96.8	84.5	46.9	11.7	79.8	309
TOTALS		100.0	100.0	99.8	98.3	93.2	85.8	72.4	45.2	14.6	76.9	2477

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## RELATIVE HUMIDITY

20110 LEMDOPE, CA

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.8	98.4	94.4	88.4	78.9	57.1	24.4	80.3	2481
FEB		100.0	100.0	99.6	96.7	91.1	82.3	68.8	47.0	15.8	76.1	2256
MAR		100.0	99.6	97.9	92.5	82.7	70.2	55.2	33.2	7.7	69.7	2440
APR		100.0	97.2	88.7	73.7	59.2	42.8	28.7	13.7	2.9	56.3	2400
MAY		100.0	93.5	73.2	53.6	35.1	18.8	7.0	2.0	.2	44.0	2450
JUN		100.0	86.3	61.3	39.6	22.5	10.6	3.0	.4		37.9	2400
JUL		100.0	89.5	64.7	44.5	24.1	9.0	2.3	.5	.0	39.0	2480
AUG		100.0	94.9	75.2	52.1	31.7	16.1	5.5	1.1		43.1	2480
SEP		100.0	97.2	81.2	57.9	36.6	21.8	10.4	4.3	.7	46.6	2400
OCT		100.0	97.6	85.5	68.4	48.6	29.4	14.3	5.4	1.2	50.6	2480
NOV		100.0	99.7	96.6	89.2	76.5	61.3	44.2	22.2	5.2	65.2	2400
DEC		100.0	100.0	99.8	98.3	93.2	85.8	72.6	45.2	14.8	76.9	2477
TOTALS		100.0	96.3	85.2	72.1	57.8	44.7	32.6	19.3	6.1	57.1	29213

OCEANAV-SMOS

10

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

2711  
STATION

LIMORE, CA

STATION NAME

JANUARY 1973-DECEMBER 1982

PERIOD

JANUARY

MONTH

HOURLY PERCENT

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						100.0				1	.0
72 TO 76					66.7	33.3				1	.1
67 TO 71	10.0	5.0	15.0	10.0	20.0		10.0	10.0	20.0	20	.8
62 TO 66	26.0	2.7	5.5	13.7	23.3	9.6	4.1	4.1	11.0	73	2.9
57 TO 61	15.0	5.6	5.0	23.8	22.5	2.5	6.9	6.3	12.5	160	6.5
52 TO 56	13.6	5.8	11.1	18.6	18.3	4.4	5.0	6.4	16.9	361	14.6
47 TO 51	19.4	3.0	6.3	16.6	17.0	2.8	3.8	11.1	20.0	495	20.0
42 TO 46	14.4	5.1	5.3	13.9	11.7	2.9	6.9	12.3	27.4	589	23.5
37 TO 41	10.2	2.7	3.9	12.4	12.7	4.8	9.5	8.9	34.9	462	19.4
32 TO 36	7.0	1.1	3.2	13.0	7.6	2.7	13.0	16.2	36.2	185	7.5
27 TO 31	9.8		3.3	8.7	6.5	7.6	17.4	10.9	35.9	92	3.7
22 TO 26	4.2			8.3	16.7	16.7	8.3	4.2	41.7	24	1.0
17 TO 21						100.0				1	.0
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	14.0	3.9	5.8	15.1	14.6	4.0	7.3	10.0	25.4	2487	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

27110  
STATION

LEMOORE, CA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

FEBRUARY

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
112 TO 121											
102 TO 111											
92 TO 101											
82 TO 91											
72 TO 81											
62 TO 71											
52 TO 61											
42 TO 51											
32 TO 41											
22 TO 31											
12 TO 21											
2 TO 11											
-8 TO -4											
-18 TO -14											
-28 TO -24											
-38 TO -34											
-48 TO -44											
-58 TO -54											
-68 TO -64											
TOTALS	18.1	3.5	5.8	12.4	14.8	5.5	9.7	10.2	20.2	2256	100.0

NAVWEASERVCOM

100-4332-54321

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

LEMOORE, CA

JANUARY 1973-DECEMBER 1992

MARCH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86			10.0	50.0						2	.1
77 TO 81	22.2		16.7	5.6	16.7	11.1			27.8	19	.7
72 TO 76	29.3	12.1	13.8	13.8	8.6		5.2	6.9	10.3	58	2.3
67 TO 71	16.8	9.6	4.4	5.9	15.4	2.2	5.9	8.8	11.0	136	5.5
62 TO 66	11.6	6.6	5.6	10.9	15.3	5.9	4.2	7.6	12.5	288	11.6
57 TO 61	35.6	5.1	5.4	8.0	14.6	4.6	5.1	12.2	9.3	410	16.5
52 TO 56	23.8	4.4	4.8	12.3	14.0	4.8	6.5	16.5	12.9	477	19.3
47 TO 51	22.7	1.7	3.0	8.6	8.8	4.7	12.0	22.1	16.5	467	18.8
42 TO 46	19.7	.6	4.8	5.1	7.6	4.5	16.0	23.9	16.0	356	14.4
37 TO 41	17.0	3.4	2.9	5.8	2.3	5.8	16.0	16.5	24.3	206	8.3
32 TO 36	15.8			7.0	7.0	17.5	17.5	22.8	12.3	57	2.3
27 TO 31					33.3				66.7	3	.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 A LWR											
TOTALS	75.9	4.0	4.7	8.7	11.7	5.0	9.3	16.2	14.6	2480	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

LEMOORE, CA

JANUARY 1973-DECEMBER 1987

APRIL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101		66.7						33.3		7	.1
92 TO 96	25.0	25.0	25.0				25.0			4	.7
87 TO 91	42.9	23.8	9.5	4.8	4.8	4.8	9.5			21	.9
82 TO 86	33.8	20.3	5.4	6.8	10.8	8.1	5.4	8.1	1.4	74	3.1
77 TO 81	49.2	12.5	5.5	3.9	3.9	3.9	6.3	10.9	3.9	128	5.3
72 TO 76	54.7	9.4	8.3	2.1	3.6	1.0	4.2	12.5	4.2	192	8.0
67 TO 71	55.3	7.2	5.1	2.5	3.4	5.5	6.3	9.7	5.1	237	9.9
62 TO 66	45.2	7.5	3.9	3.0	6.6	3.3	5.6	19.7	5.2	305	12.7
57 TO 61	41.1	4.6	3.4	3.7	6.3	4.6	8.9	22.1	5.2	348	14.5
52 TO 56	33.4	2.9	1.9	4.1	5.5	4.3	11.0	27.4	9.5	419	17.5
47 TO 51	23.8	2.1	1.0	3.4	6.8	4.7	17.0	29.2	12.0	387	16.0
42 TO 46	29.2	.5	1.4	4.6	5.0	2.7	15.5	24.7	16.4	219	9.1
37 TO 41	20.3			3.4	6.8	13.6	23.7	16.9	15.3	59	2.5
32 TO 36	12.5				12.5	12.5	50.0	12.5		9	.3
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	38.5	5.6	3.4	3.5	5.7	4.3	10.4	20.7	8.0	2400	100.0

NAVWEASERVCOM

1000 4432-54321

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

23110  
STATION

LEMOORE, CA

FATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

443

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	37.5	37.5			12.5			12.5		5	.3
97 TO 101	45.9	13.5	10.8	2.7	2.7		2.7	16.2	5.4	17	1.5
92 TO 96	59.6	7.4	8.5	3.2		2.1	4.3	14.9		94	3.9
87 TO 91	63.5	11.5	3.6	1.4		3.4	4.7	10.1	2.0	142	6.0
82 TO 86	64.6	10.8	4.9	.9	.4	3.1	2.2	11.7	1.3	223	9.0
77 TO 81	62.9	8.1	3.6		2.0	1.2	3.6	15.7	2.8	244	10.0
72 TO 76	58.7	6.3	1.7	2.3	1.0	1.3	6.0	20.3	2.3	300	12.1
67 TO 71	48.6	6.1	3.1	.3	1.0	1.0	7.1	28.2	4.4	294	11.9
62 TO 66	43.6	2.1	2.7		.9	2.4	9.0	34.6	4.8	335	13.5
57 TO 61	44.6	3.4	1.5	.9	3.1	2.4	8.3	27.8	8.0	327	13.2
52 TO 56	45.2	2.1	.7	3.2	2.1	1.8	8.9	32.4	3.6	281	11.3
47 TO 51	35.1			2.3	4.6	6.1	9.9	33.6	8.4	131	5.3
42 TO 46	26.7			2.2	6.7	4.4	11.1	22.2	26.7	45	1.8
37 TO 41	11.1			11.1	22.2	11.1		22.2	22.2	7	.4
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	51.1	5.5	2.7	1.3	1.8	2.3	6.7	24.2	4.5	2480	100.0

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

LEMOORE, CA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111	20.0	40.0	13.3				13.3		13.3	10	6.6
102 TO 106	54.5	30.3	6.1	1.5	1.5		1.5	1.5	3.0	66	2.8
97 TO 101	58.6	18.8	3.9	1.5	1.6	1.6	.8	11.7	1.6	123	5.3
92 TO 96	59.2	15.4	4.0	1.0	.5	.5	1.5	14.9	3.0	201	8.4
87 TO 91	62.2	10.6	2.4			.5	5.3	17.5	1.2	246	10.3
82 TO 86	58.5	8.1	3.1	.4	.4	2.3	4.2	25.4	2.7	267	10.8
77 TO 81	50.7	7.6	2.8		.7	2.1	6.2	26.6	3.4	297	12.1
72 TO 76	46.0	4.2	2.6	1.3	.6	1.6	9.3	31.0	3.5	313	13.0
67 TO 71	46.3	2.0	1.7	2.0	1.0	2.0	8.2	34.7	2.0	294	12.3
62 TO 66	46.9	.7	1.0	.7	1.4	2.0	6.8	35.4	5.1	294	12.3
57 TO 61	45.4	3.2	2.2		1.1	2.2	12.4	32.0	2.7	165	7.7
52 TO 56	48.3	1.1	2.2			2.2	4.5	36.2	5.6	89	3.7
47 TO 51	42.1						5.3	42.1	10.5	19	.8
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 3											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	51.6	7.4	2.6	.8	.8	1.7	6.3	25.8	3.2	2400	100.0

NAYWEASERVCOM

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

LEMOORE, CA

JANUARY 1973-DECEMBER 1982

MONTH

HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111	36.4	45.5	9.1						9.1	11	.4
102 TO 106	46.6	19.5	10.2	1.7	1.7	1.7	5.1	11.0	2.5	118	4.8
97 TO 101	47.6	19.7	7.9	1.3	.9	.9	4.8	15.3	2.2	229	9.2
92 TO 96	62.0	11.7	2.9	1.2	.6	1.0	2.6	15.6	1.6	309	12.4
87 TO 91	56.0	8.6	3.1	.7	.3	.7	4.5	25.1	1.0	291	11.7
82 TO 86	53.9	4.8	2.2		.9	2.2	7.0	25.4	3.5	229	9.2
77 TO 81	40.3	2.0	1.0	.3	.3	.7	6.6	42.6	4.3	373	14.7
72 TO 76	35.4	1.7	.6	.6		2.8	8.2	46.7	4.0	353	14.2
67 TO 71	19.1	.9			.9	1.9	7.3	44.9	5.0	317	12.8
62 TO 66	34.9	.5			1.4	4.2	12.1	40.0	7.0	215	8.7
57 TO 61	39.0				2.4	3.7	11.0	36.6	7.3	82	3.3
52 TO 56	36.0		4.0				16.0	40.0	4.0	25	1.0
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	45.6	6.5	2.4	.6	.7	1.7	6.9	31.8	3.6	2480	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

27110  
STATION

LEMCORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEAR

AUGUST  
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111	62.5	25.7						12.5		9	.7
102 TO 106	47.5	16.4	16.4	1.6		3.3		9.8	4.9	61	2.5
97 TO 101	42.3	24.8	9.5	2.9	2.2		5.8	10.9	1.5	137	5.5
92 TO 96	50.2	19.4	4.4	3.5	1.3	1.3	1.3	16.3	2.2	227	9.2
87 TO 91	55.2	10.7	4.5	2.1	1.7	1.7	3.4	17.6	3.1	290	11.7
82 TO 86	51.8	7.3	1.3	.3	.3	2.3	5.6	27.7	1.3	303	12.2
77 TO 81	51.5	1.0	.3	1.7	1.7	1.0	8.6	30.6	3.4	291	11.7
72 TO 76	29.0	1.9	.3	.3	.9	2.2	12.6	45.1	7.6	317	12.8
67 TO 71	30.3	.8		1.1	1.6	1.8	13.9	42.9	7.6	380	15.3
62 TO 66	31.1	.3	.3	.6	.6	2.3	10.7	46.6	7.4	309	12.5
57 TO 61	23.4	1.5			2.9	3.6	20.4	38.0	10.2	137	5.5
52 TO 56	20.0					10.0	20.0	15.0	35.0	20	.8
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVP											
TOTALS	40.8	6.4	2.1	1.3	1.3	1.9	8.9	31.8	9.5	2440	100.0

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION 27110

LEMOORE, CA

JANUARY 1973-DECEMBER 1982 SEPTEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	44.4	5.6	38.9	11.1						18	.2
97 TO 101	43.7	24.1	11.5	2.3	4.6			10.3	3.4	27	3.6
92 TO 96	54.8	17.1	11.0	2.7	1.4	.7	4.1	5.5	2.7	146	6.1
87 TO 91	51.8	12.6	3.7	4.2	1.6	2.1	2.6	14.1	7.3	191	8.0
82 TO 86	49.8	9.4	6.8	2.1	1.7	2.6	4.7	18.7	4.3	235	9.8
77 TO 81	46.2	7.2	4.8	2.8	1.4	1.7	5.2	22.8	7.9	292	12.1
72 TO 76	32.9	3.1	2.5	1.8	2.5	2.8	10.5	34.5	9.5	325	13.5
67 TO 71	26.4	3.5	2.7	2.4	1.9	3.5	14.7	32.6	12.2	368	15.3
62 TO 66	25.3	.8	.8	1.1	3.3	4.9	15.0	38.4	10.4	367	15.3
57 TO 61	18.9	1.2	1.6	2.0	2.0	4.0	20.1	36.1	14.1	249	10.4
52 TO 56	17.0		1.1	2.1	6.4	7.4	21.3	22.3	22.3	94	3.9
47 TO 51	14.8	3.7			7.4	18.5	14.8	18.5	22.2	27	1.1
42 TO 46									100.0	3	.1
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	35.0	6.0	4.0	2.3	2.4	3.3	10.6	26.8	9.7	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

27110  
STATION

LEMOORE, CA

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

OCTOBER

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	11.1	33.3	11.1				11.1	11.1	22.2	2	.4
92 TO 96	26.5	32.4	17.6	5.9				11.8	5.9	34	1.4
87 TO 91	32.9	22.4	14.5	7.9	1.3	2.6	1.3	3.9	13.2	76	3.1
82 TO 86	37.5	12.5	11.8	8.6	3.9	1.3	3.3	8.6	12.5	152	6.1
77 TO 81	31.7	15.6	6.5	3.8	4.8	2.2	3.2	11.8	20.4	186	7.5
72 TO 76	37.1	10.4	7.3	5.0	5.4	2.7	3.5	14.7	13.9	259	10.4
67 TO 71	36.1	7.3	5.6	4.0	4.3	4.3	7.9	18.5	11.9	302	12.2
62 TO 66	70.3	2.8	3.3	2.5	6.6	3.3	11.0	23.4	16.8	363	14.6
57 TO 61	21.4	1.6	1.3	2.7	4.8	4.8	16.9	24.9	21.4	273	15.0
52 TO 56	17.2	.3	1.7	5.5	4.7	4.4	19.8	21.8	24.7	344	13.9
47 TO 51	10.6	.9		2.6	5.1	5.1	27.2	22.6	26.0	235	9.5
42 TO 46	7.0		.9	2.6	6.1	10.5	19.3	21.1	32.5	114	4.6
37 TO 41	3.2				16.1	9.7	29.0	6.5	35.5	31	1.3
32 TO 36							50.0		50.0	2	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	25.8	5.9	4.0	4.0	5.0	4.0	12.6	18.9	19.3	2490	100.0

NAVWEASERVCOM

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4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

27110  
STATION

LEMOORE, CA

STATION NAME

JANUARY 1973-DECEMBER 1982

NOVEMBER

MO. NO. 11571

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86									100.0	3	.1
77 TO 81	20.5	15.4	23.1	5.1	5.1	2.6	2.6	7.7	17.9	39	1.6
72 TO 76	26.1	10.1	7.2	13.0	13.0	4.3	2.9	7.2	15.9	69	2.9
67 TO 71	24.1	16.1	10.9	9.5	9.5	3.6	.7	6.6	19.0	137	5.7
62 TO 66	30.5	8.5	7.2	5.9	10.2	3.4	3.8	8.5	22.0	236	9.8
57 TO 61	24.3	7.1	6.2	11.7	9.8	2.2	6.8	12.3	19.7	325	13.5
52 TO 56	19.7	3.9	6.1	10.4	9.2	3.6	7.3	15.5	24.3	412	17.2
47 TO 51	16.5	2.8	6.2	11.2	8.3	4.1	11.2	14.2	25.5	436	18.2
42 TO 46	11.0	2.6	1.7	7.8	5.8	4.3	15.0	16.2	35.5	346	14.4
37 TO 41	6.5	.8	1.2	5.8	7.7	4.6	15.0	13.1	45.4	260	10.8
32 TO 36	7.4			4.2	6.3	5.3	13.7	7.4	55.8	95	4.0
27 TO 31	2.6			7.7	7.7	7.7	15.4	12.8	46.2	39	1.6
22 TO 26						33.3			66.7	3	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 R LWR											
TOTALS	17.8	4.9	5.3	9.0	8.5	3.9	9.3	12.7	28.7	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

27110  
STATION

LEMOORE, CA  
STATION NAME

JANUARY 1973-DECEMBER 1982  
YEARS

DECEMBER  
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76				46.7		33.3				?	.1
67 TO 71	13.0	10.0	20.0	10.0	10.0				40.0	10	.4
62 TO 66	20.0	5.0	3.3	18.3	20.0	5.0	1.7	8.3	18.3	60	2.4
57 TO 61	21.6	5.0	10.1	15.1	12.6	2.0	4.0	3.5	26.1	199	8.0
52 TO 56	20.9	7.1	7.9	18.5	11.6	2.9	2.4	10.8	17.7	378	15.3
47 TO 51	16.7	4.3	6.0	18.0	13.3	3.2	3.0	11.3	24.2	467	18.9
42 TO 46	12.5	2.7	5.8	12.4	13.4	3.7	6.2	12.0	31.3	566	22.9
37 TO 41	7.0	1.4	4.2	10.2	10.9	5.6	11.1	11.8	37.8	431	17.4
32 TO 36	4.2	.8	3.4	9.3	7.2	4.7	17.4	6.4	46.6	236	9.5
27 TO 31	4.5	.9	3.6	8.2	9.1	7.3	12.7	4.5	49.1	110	4.4
22 TO 26				6.3	18.8	6.3		12.5	56.3	16	.6
17 TO 21									100.0	1	.0
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-60 & LWP											
TOTALS	13.3	3.4	5.9	13.9	12.0	4.0	6.9	10.0	30.7	2477	100.0

NAVWEASERVCOM



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PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

LEMOORE, CA

JANUARY 1973-DECEMBER 1982

ALL

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111	35.3	38.2	8.8				5.9	2.9	8.8	34	.1
102 TO 106	48.3	21.0	12.2	2.2	1.5	1.5	2.6	7.7	3.2	271	.9
97 TO 101	47.3	21.3	8.1	1.9	1.9	.5	3.5	13.0	2.5	630	2.2
92 TO 96	56.2	15.3	5.7	2.5	.8	1.0	2.5	13.9	2.2	1014	3.5
87 TO 91	55.7	11.5	4.2	2.0	.9	1.7	4.0	16.8	3.3	1263	4.3
82 TO 86	52.4	9.1	4.5	1.9	1.6	2.5	4.7	19.2	4.1	1880	5.1
77 TO 81	46.8	6.9	3.8	1.6	2.1	1.8	6.0	24.3	6.9	1803	6.2
72 TO 76	40.0	5.3	3.4	2.7	2.5	2.2	7.8	29.3	6.4	2215	7.6
67 TO 71	37.3	4.9	3.3	2.8	3.5	2.9	8.8	27.9	8.6	2570	8.8
62 TO 66	34.2	3.3	3.0	3.8	6.7	3.7	8.4	26.5	10.5	3011	10.3
57 TO 61	30.1	4.1	4.1	6.9	8.5	3.7	9.6	20.0	13.1	3101	10.6
52 TO 56	24.2	3.6	4.9	10.9	10.7	4.0	8.4	17.7	15.6	3347	11.5
47 TO 51	19.9	2.4	4.1	10.8	10.5	4.1	10.7	17.5	20.0	3158	10.8
42 TO 46	14.7	2.4	4.1	9.4	9.9	4.5	12.0	16.4	26.7	2614	9.0
37 TO 41	10.3	1.8	3.3	8.8	10.5	5.9	13.7	12.0	33.8	1702	5.8
32 TO 36	6.9	.9	2.5	9.0	7.5	6.4	16.1	10.4	40.4	691	2.4
27 TO 31	6.5	.4	2.7	7.7	9.2	7.3	14.6	8.1	43.5	260	.9
22 TO 26	2.3			7.0	16.3	14.0	4.7	7.0	48.8	43	.1
17 TO 21						50.0			50.0	2	.0
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	71.5	5.2	4.1	6.1	6.6	3.5	4.7	20.0	14.4	29213	100.0

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NOCN, Federal Building  
Asheville, N. C.

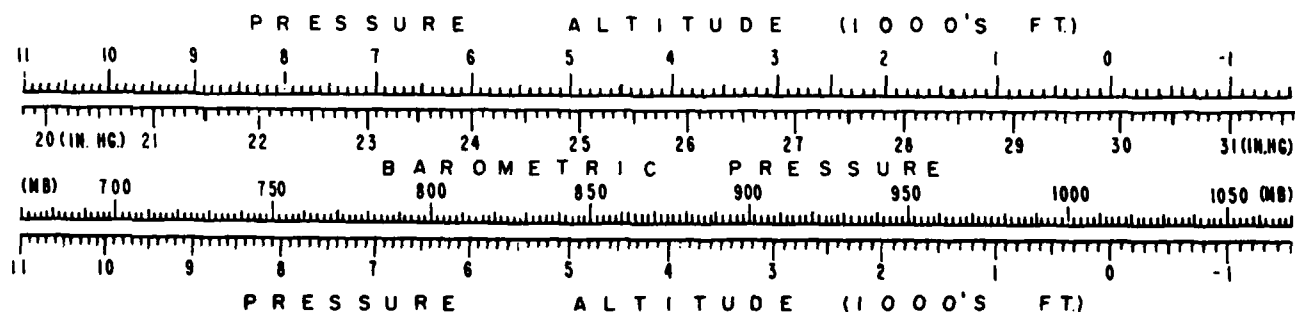
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

25117 LEMOORE, CA

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
71	MEAN	1019.7	1019.4	1016.5	1016.3	1012.7	1011.7	1011.4	1011.5	1012.0	1015.7	1019.1	1020.9	1015.6	
	S. D.	5.542	5.443	5.090	3.582	3.126	3.027	2.508	2.522	2.746	3.299	4.851	4.878	5.311	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
74	MEAN	1019.6	1019.0	1016.1	1016.1	1012.9	1012.0	1011.7	1011.7	1012.0	1015.6	1018.9	1020.2	1015.5	
	S. D.	5.504	5.590	5.145	3.536	3.111	3.021	2.534	2.551	2.712	3.314	4.876	4.842	5.211	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
77	MEAN	1020.1	1019.6	1017.0	1017.2	1014.1	1013.3	1012.9	1012.9	1013.2	1016.6	1019.7	1021.3	1016.5	
	S. D.	5.505	5.697	5.225	3.556	3.121	3.084	2.562	2.650	2.733	3.379	4.973	4.870	5.089	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	1021.3	1020.7	1017.8	1017.6	1014.2	1013.4	1013.1	1013.3	1013.7	1017.3	1020.6	1022.4	1017.1	
	S. D.	5.459	5.642	5.163	3.551	3.156	3.072	2.552	2.641	2.699	3.347	4.976	4.886	5.288	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	1019.4	1019.1	1016.5	1016.2	1012.8	1012.1	1011.8	1011.8	1012.0	1015.4	1018.6	1020.4	1015.5	
	S. D.	5.313	5.390	4.939	3.552	3.109	3.023	2.561	2.651	2.649	3.323	4.900	4.857	5.097	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	1018.7	1018.0	1015.2	1014.7	1011.2	1010.5	1010.1	1010.0	1010.4	1014.2	1017.8	1019.7	1014.2	
	S. D.	5.312	5.340	4.798	3.565	3.110	3.000	2.535	2.623	2.686	3.366	4.878	4.867	5.320	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
19	MEAN	1019.3	1018.5	1015.5	1014.7	1011.2	1010.3	1009.9	1010.0	1010.7	1014.8	1018.4	1020.4	1014.5	
	S. D.	5.426	5.409	4.757	3.524	3.104	2.921	2.497	2.565	2.657	3.388	4.897	4.845	5.503	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
22	MEAN	1020.0	1019.2	1016.5	1016.0	1012.4	1011.4	1011.2	1011.2	1011.8	1015.7	1019.2	1021.0	1015.5	
	S. D.	5.440	5.586	4.880	3.554	3.102	2.918	2.463	2.566	2.620	3.389	4.961	4.855	5.359	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	1019.8	1019.2	1016.4	1016.1	1012.7	1011.4	1011.5	1011.4	1012.0	1015.7	1019.0	1020.9	1015.5	
	S. D.	5.478	5.554	5.054	3.677	3.287	3.180	2.743	2.823	2.881	3.468	4.972	4.913	5.348	
	TOTAL OBS	2980	2256	2980	2908	2980	2900	2980	2980	2900	2980	2908	2977	29213	

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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

2110 LFMCOPE, CA

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	29.856	29.840	29.764	29.758	29.657	29.630	29.619	29.623	29.636	29.745	29.841	29.891	29.738	
	S. D.	.162	.160	.150	.105	.093	.090	.075	.075	.080	.096	.143	.143	.154	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
02	MEAN	29.852	29.837	29.751	29.753	29.662	29.637	29.628	29.629	29.638	29.741	29.835	29.889	29.737	
	S. D.	.161	.164	.151	.104	.092	.090	.075	.076	.080	.097	.144	.142	.151	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
07	MEAN	29.866	29.855	29.779	29.785	29.697	29.675	29.666	29.665	29.672	29.770	29.857	29.903	29.765	
	S. D.	.160	.167	.154	.104	.092	.091	.076	.078	.081	.098	.147	.143	.147	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	29.904	29.885	29.803	29.798	29.701	29.679	29.672	29.675	29.688	29.791	29.884	29.936	29.784	
	S. D.	.159	.163	.152	.103	.093	.091	.075	.078	.080	.098	.147	.143	.153	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
11	MEAN	29.847	29.841	29.765	29.758	29.659	29.641	29.634	29.633	29.638	29.735	29.827	29.877	29.737	
	S. D.	.156	.158	.146	.104	.093	.090	.076	.079	.079	.097	.145	.142	.148	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
14	MEAN	29.828	29.807	29.726	29.712	29.610	29.593	29.583	29.579	29.590	29.699	29.801	29.857	29.698	
	S. D.	.156	.156	.142	.104	.092	.089	.076	.078	.080	.099	.144	.143	.155	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
17	MEAN	29.844	29.820	29.735	29.713	29.611	29.588	29.576	29.577	29.597	29.716	29.818	29.874	29.709	
	S. D.	.158	.158	.140	.103	.091	.087	.074	.077	.078	.099	.144	.142	.160	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
22	MEAN	29.863	29.841	29.764	29.750	29.652	29.626	29.616	29.615	29.632	29.743	29.841	29.893	29.734	
	S. D.	.159	.164	.144	.104	.092	.087	.073	.076	.078	.099	.144	.142	.159	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	29.857	29.842	29.761	29.753	29.654	29.634	29.624	29.625	29.634	29.743	29.838	29.890	29.738	
	S. D.	.160	.163	.149	.107	.097	.094	.081	.084	.085	.101	.147	.144	.159	
	TOTAL OBS	2880	2256	2880	2800	2980	2800	2980	2980	2900	2980	2900	2977	29213	

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